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UNIVERSITÀ  
DEGLI STUDI  
DELL'AQUILA

UNIVERSITÀ DEGLI STUDI DELL'AQUILA  
Amministrazione centrale  
Area Ricerca e Trasferimento Tecnologico  
Settore Dottorati, Assegni e Borse di Ricerca

D.R. Rep. n. \* - Prot. n. \* of \* Attachments 2

Year 2024 Tit. III Cl. 6 Fasc. 7

*\*Number and date of the protocol entry are given in the metadata of the Titulus computer protocol system*

**PUBLIC COMPETITION FOR ADMISSION TO CYCLE XL -  
Ph.D. COURSES - ACADEMIC YEAR 2024/2025**

**THE RECTOR  
OF THE UNIVERSITY OF L'AQUILA**

**IN FORCE OF** law n. 476, August 13, 1984, establishing rules on university scholarships;

**IN FORCE OF** law n. 398, November 30, 1989, establishing rules on university scholarships;

**IN FORCE OF** article n. 4 of law n. 210, July 3, 1998, which provides that the universities, with their own regulation establish their Ph.D. schools;

**IN FORCE OF** article 19 of law n. 240, December 30, 2010;

**IN FORCE OF** to Art. 47 of Decree Law n. 77 of May 31, 2021, converted into Law n. 108 of July 29, 2021, under the heading "Equal Opportunity and Employment Inclusion in Public Contracts, the PNRR and the PNC;

**IN FORCE OF** D.P.C.M. of April 9, 2001 "Disposizioni per l'uniformità del trattamento sul diritto agli studi universitari" according to article n. 4 of law n. 390, December 2, 1991;

**IN FORCE OF** legislative decree n. 68, March 29, 2012;

**IN FORCE OF** law n. 232, December 11, 2016, and, in particular clause 262, which establishes that "For Ph.D. students, not scholarship holders, tuition fees are waived";

**PURSUANT TO** DD. MM. 509/1999 e 270/2004 which provides rules about the didactic autonomy of Universities;

**PURSUANT TO** D.M. n. 226 of December 14, 2021 "*Regolamento recante modalità di accreditamento delle sedi e dei corsi di dottorato e criteri per la istituzione dei corsi di dottorato da parte degli enti accreditati*";

**PURSUANT TO** D.M. n. 247 of February 23, 2022 which restated the gross annual amount of Ph.D. scholarships;

**PURSUANT TO** the rules for the admission of foreign students to the university course published on MIUR web site;

**PURSUANT TO** the Regulation of the Ph.D. Schools of the University of L'Aquila, renewed by Rectoral Decree n. 787/2022 of 2022, June 1<sup>st</sup> and subsequent amendments;

**HAVING REGARD TO** Ethical Code of University of L'Aquila issued by D.R. n. 1777/2022 of 2022, December 30<sup>th</sup> and subsequent amendments;

**HAVING REGARD TO** the National Recovery and Resilience Plan (NRP) approved by ECOFIN Council Decision on 13/07/2021;

**HAVING REGARD TO** the Ministerial Decree n. 629 of April 24, 2024, regarding the allocation, for the academic year 2024/2025, from the PNRR, Mission 4, "*Education and Research*", component 1 "*Strengthening the offer of educational services: from kindergartens to universities*" - Investment 3.4 "*Didactics and advanced university skills*" and Investment 4.1 "*Extension of the number of research and innovative doctorates for public*

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

Area Ricerca e Trasferimento Tecnologico

Settore Dottorati, Assegni e Borse di Ricerca

*administration and cultural heritage* ", including the resources not subject to allocation as a result of the granting measures referred to in Ministerial Decree no. 118/2023 as well as the resources resulting from the redetermination of the unit amount of the scholarship co-financed by the Ministry - of no. 779 (seven hundred and seventy-nine) three-year doctoral scholarships for the attendance of doctoral programs accredited under Ministerial Decree 45/2013 XXXVII cycle - a. a. 2021/2022 and ex DM 226/2021 XXXVIII and XXXIX cycle - a.y. 2022/2023 and a.y. 2023/2024 and to be accredited ex DM 226/2021 XL cycle - a.y. 2024/2025;

**HAVING REGARD TO** the Ministerial Decree n. 630 of April 24, 2024, regarding the allocation, for the academic year 2024/2025, from the PNRR, Mission 4, "Education and Resear, component 2 "From Research to enterprise" - Investment 3.3 "Introduction of innovative doctorates that respond to the innovation needs of businesses and promote the recruitment of researchers from businesses", including the resources not subject to allocation as a result of the granting measures referred to in Ministerial Decree no. 117/2023, as well as the resources resulting from the redetermination of the unit amount of the scholarship co-funded by the Ministry, of no. 2.868 (two thousand eight hundred and sixty-eight) three-year doctoral scholarships for the attendance of pathways for innovative doctorates accredited ex DM 45/2013 XXXVII cycle - a. a. 2021/2022 and ex DM 226/2021 XXXVIII and XXXIX cycle - a.y. 2022/2023 and a.y. 2023/2024 and to be accredited ex DM 226/2021 XL cycle - a.y. 2024/2025;

**HAVING REGARD TO** the outcomes of the procedures called by the University to identify the PhD courses for which to activate the grants funded under the PNRR (European Union-funded program - NextGenerationEU) and select the related research projects, pursuant to Article 11 of Ministerial Decree 629/2024 and Article 8 of Ministerial Decree 630/2024;

**TAKEN NOTE** that for each investment line, project identification codes (CUP) have been associated with the PhD courses as identified above;

**HAVING REGARD TO** the minutes of the Academic Senate meeting of 04/06/2024;

**HAVING REGARD TO** the minutes of the Board of Administration meeting of 05/06/2024;

### HEREBY DECREES

#### ART. 1

#### ESTABLISHMENT AND ACTIVATION

The University of L'Aquila (Italy) has approved and activated Cycle XL Ph.D. Courses – Academic Year 2024/2025. The courses' duration is three years and start on 1<sup>st</sup> November, 2024.

The activation of the places financed or co-financed under the PNRR funds is also subject:

- to the effective allocation of resources by the MUR;
- to the finalization of the agreements with the companies and the provision of the surety guarantee by the companies for the co-funded posts.

#### ART. 2

#### Ph.D. Courses

1. Public competition procedures based on qualifications and examinations for admission to the below listed Ph.D. Courses have been activated:

Ph.D. Course in CIVIL, CONSTRUCTION-ARCHITECTURAL AND ENVIRONMENTAL ENGINEERING

Ph.D. Course in INFORMATION AND COMMUNICATION TECHNOLOGIES – ICT

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

Ph.D. Course in INDUSTRIAL AND INFORMATION ENGINEERING AND ECONOMICS

Ph.D. Course in LITERATURES, ARTS, MEDIA: THE TRANSCODIFICATION

Ph.D. Course in MATHEMATICS AND MODELING

Ph.D. Course in CLINICAL MEDICINE AND PUBLIC HEALTH

Ph.D. Course in EXPERIMENTAL MEDICINE

Ph.D. Course in HEALTH AND ENVIRONMENTAL SCIENCES

Ph.D. Course in PHYSICAL AND CHEMICAL SCIENCES

2. For each of the aforementioned courses, the forms attached to this announcement and which form an integral part of it, indicate the places and scholarships available, the curricula of each course, where applicable, the research topics and the respective scientific contact for the scholarships financed or co-financed from PNRR funds (with the relative CUP) or by external Bodies / Institutions, the methods and criteria for selecting candidates, the schedule of exams.

Candidates can access the afore-mentioned forms, published on the University Portal on page [https://www.univaq.it/en/section.php?id=2250&lang\\_s=en](https://www.univaq.it/en/section.php?id=2250&lang_s=en) by selecting the chosen Ph.D. course.

3. The places and scholarships may increase if further funding becomes available, without prejudice to the terms for submitting the application for admission indicated in the following art. 5.

### ART. 3

#### Requirements for Activation

The minimum number of approved applications necessary to activate the afore-mentioned Ph.D. courses must be not less than 3 – by “approved applications” we mean candidates that have successfully passed the admission exams and fulfilled all administrative procedures for enrolment in the selected Ph.D. course.

The number of available grants may increase if funding from other sources is provided, as long as such funding is made available by the deadline established in this announcement.

Notice about the increasing will be given on the web site: [https://www.univaq.it/en/section.php?id=2250&lang\\_s=en](https://www.univaq.it/en/section.php?id=2250&lang_s=en).

Failure on behalf of public or private institutions to comply with funding procedures will result in fewer available positions.

The number of available grants may increase if the MUR approves specific projects that can be funded by European funds, for which doctoral grants are envisaged, even after the expiration date of this call.

### ART. 4

#### Requirements for Access

1. Those who, at the expiry of the deadline for submitting the application for admission, are in possession of one of the following qualifications can participate in the selection, without age or citizenship restrictions:

a) master's or specialist degree;

b) degree from the system prior to the Ministerial Decree n. 509/1999 (old system);

c) second level academic qualification issued by institutions belonging to the AFAM (Higher Artistic and Musical Education) sector;



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UNIVERSITÀ  
DEGLI STUDI  
DELL'AQUILA

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

d) qualification obtained abroad, recognized as equivalent to the aforementioned second level academic qualifications.

The academic qualification obtained abroad by the candidate must refer to a course with a duration of at least 4 years and allow the access to a Ph.D. course in the country in which it was awarded.

Candidates holding a foreign Degree who have not as yet obtained certified equivalency required for the admission to the Ph.D. course, must include the following documents in their application (necessary for the Examination Commission to evaluate the Degree as conforming to requirements):

- a copy of the Degree certifications obtained (Bachelor e Master Degree), with a transcript of records of the exams taken and an Italian or English translation provided by the applicant under his/her responsibility;
- any other documentation deemed useful for the qualification assessment (Diploma Supplement, declarations etc...).

Eligibility of the qualification will be verified by the Course's Admission Committee and will only be granted for the sole purpose of admission to the chosen Ph.D. course.

2. Candidates already in possession of the Ph.D. title obtained in the national territory can participate in the selection exclusively for places not covered by a scholarship.

3. Scholarships financed from PNRR funds may not be awarded to PhD students who have renounced the scholarships from PNRR under the XXXVIII cycle and XXXIX cycle (Art. 11, paragraph 6, of Ministerial Decree 629/2024 and Art. 8, paragraph 7, of Ministerial Decree 630/2024).

4. Students enrolled in medical specialization schools can participate in the selection only if in the academic year 2024/2025 they are enrolled in the last year of that school.

5. Candidates who, on the expiry date of this announcement, do not possess the requisites referred to in paragraph 1, will be admitted to the selection with reserve. The qualification required for access to PhD courses must be achieved by the completion date of the enrollment, and in any case no later than the start date of the course.

### ART. 5

#### Applications, terms and conditions

1. The application form may only be submitted using the dedicated online procedure, available at: <https://pica.cineca.it/univaq/dottorato40>.

Applications must be submitted no later than the **July 22, 2024 at 1 p.m. (CEST)**.

The application must be signed. **The absence of the signature, or of the handwritten signature, implicates the exclusion from the public competition.**

There are 3 methodologies to sign it and the candidate must select one of them and read carefully they directions.

- By digital signature using smart card, USB token or remote signature which allow the owner to sign general documents by means of a signature software or a Remote Signature web portal made available by the Auditor. Those who have a Digital Signature smart card or USB token shall verify that they are compatible with the

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

Digital Signature system integrated in the system server. If so, the owner may sign the application directly in the system server (e.g. ConFirma);

- Those who do not have compatible digital signature devices and the Remote Digital Signature Owners who may access a web portal for signing general documents shall save in their own PC the .pdf file generated by the system and, without modifying it, digitally sign it in CADES format. A .p7m file will be generated, which shall be saved and uploaded again in the system. Any editing to the file before signing with the Digital Signature shall interfere with the automatic check of correspondence between the content of such a document and the original, and this will bring to the application exclusion;

- If none of the above-mentioned options can be used candidates shall save in their own PC the .pdf file generated by the system and, without modifying it, print and sign it with full original signature in the last page of the printed document. A scanned .pdf copy of such a document shall be produced and the file thus obtained shall be uploaded to the system.

In case the access to the platform is via SPID, it is not necessary to sign the application with one of the aforementioned methods.

Candidates intending to apply for more than one Course must complete a separate application for each chosen Course.

In case the selected Ph.D. course foresees:

- positions reserved to candidates with scholarship holders funded by foreign countries;
- positions without scholarship reserved to candidates holding a title acquired abroad

candidates are compulsory required to clearly mention it in the application form.

Candidates who competes for places reserved for scholarship holders from foreign countries, must indicate in the application for admission who finances the scholarship and attach the documentation relating to the grant.

2. When filling the application, candidates must:

- select the chosen PhD course;

- indicate the curriculum where required. The preference expressed in the application form will be indicative of the candidate's interests and not binding;

- select the type of seat. In the case of an ordinary seat, it is possible to express a preference for themed scholarships, up to a maximum of three, by opening the appropriate menu;

- attach the qualifications required and indicated in the form of the chosen PhD course and a copy of the identity document.

**The lack of a copy of the identity document is cause for exclusion from the selection.**

-pay an administration fee of € 10,00. Candidates can make fee payment by clicking on “Paga con Pago PA”, selecting form of payment:

- Credit/debit card;
- Direct payment from bank account;
- Other methods of payment and payment systems which allow for PagoPA procedures.

Only for candidates resident abroad: if it is not possible for candidates to pay using the PagoPA system, payment will also be accepted by bank transfer payable to: Università degli Studi dell'Aquila - Piazza Santa



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UNIVERSITÀ  
DEGLI STUDI  
DELL'AQUILA

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

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Margherita 2 - 67100 L'Aquila, with the following bank details: IBAN: IT60B0306903603100000046216 - Code SWIFT: BCITITMM - reason for payment: "Entry in Ph.D. competition in \_\_\_\_\_". The cost of the transfer is borne by the candidate. Only candidates making payment in this way are required, before the deadline date, to attach a copy of the bank transfer payment and a declaration of failed administration fee payment by Pago PA.

Failure to pay the competition fee is the cause for exclusion from the selection.

Under no circumstances can refunds be issued (i.e. exclusion, withdrawal, absence, etc.). The sole fee payment of € 10,00 does not in itself constitute an application in the absence of an online application form, even if payment is made before the deadline.

If the candidate is applying for more than one course, each application must be completed with the relative required documents. **All documentation must be attached in pdf format.**

**In addition, the applicant must pay the administration fee of € 10.00 for each application he/she intends to submit.**

For all legal purposes, the application is to be considered as a self-certification of the data included therein, in accordance with articles 46 and 47 of Italian Presidential Decree no. 445/2000 and subsequent amendments.

3. The candidate can, where applicable, request reference letters. A notification will be sent automatically sent to the selected referee only when the application has been fully submitted. The referee must compile the reference letter scheme and submit it by the deadline of July 23, 2024, at 1:00 p.m. CEST.

**Reference letters attached by the candidate will not be taken into consideration.**

**4. The application is automatically sent to the University when the online procedure has finally been completed. Therefore, no paperwork needs to be delivered or sent to the University's offices.**

Candidates are invited to complete applications for the selection process well in advance of the closing date specified in this call. Candidates are responsible for verifying that the procedure is completed correctly.

No complaints will be accepted for any malfunctioning of the IT system due to overload experienced by candidates near the closing date.

After the deadline of the call it will no longer be possible to change the application for participation.

In force of Italian Law no. 104/92, as amended by Italian Law no. 17/99, disabled candidates may request an individual examination (with the use of aids, any additional time required, etc.) to complete the required entry examinations.

In accordance with Italian Law no. 170/2010, candidates with specific learning disabilities are allowed 30% more time to complete written exams, if required for the selection process for admission to the chosen Ph.D. course, subject to a request for an individual examination. The request must be written in accordance with the instructions available as part of the online application procedure for the selection process.

According to the art. 15 of Law 183/2011 and following the interpretation done by the Directive of the Presidency of the Council of Ministers, signed by the Minister of Public Administration and Simplification, n. 61547 of 22/12/2011, the University can't accept certifications issued by other Public Administrations.

Therefore, if the titles declared by candidates and attached to the application for admission to the competition, have been issued by Italian public universities, they must only be self-certified.

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

Following the rules on self-certification, the University will verify the veracity of the self-certification, pursuant to the Consolidated Law on Finance. 445/2000.

### ART. 6

#### Foreign Candidates

With the aim of fostering student mobility, the Ph.D. courses in this announcement can include for the following positions as specified in the charts above:

1. Positions reserved for candidates selected within specific student mobility projects the University participates in (in these cases the selection procedures will follow its specific rules);
2. Positions reserved for foreign scholarship recipients;
3. Positions not covered by scholarships and reserved for candidates who have obtained their Degree abroad;
4. Positions with scholarship provided by the University of L'Aquila reserved for candidates who have obtained their Degree abroad.

Candidates corresponding to the case under 1), must not follow the online procedure - they shall be contacted by e-mail.

Candidates corresponding to the case under 2) shall obtain supernumerary positions in the Ph.D. Course selected once they have passed admission requirements.

These candidates, as required by art. 5 of this Call, must indicate in the application for admission the foreign body that finances the scholarship and attach the documentation relating to the contribution.

Candidates corresponding to the cases under 2), 3) and 4) will find admission procedures indicated in the specific description of the Ph.D. Course they are interested in. Positions will be assigned in accordance with the final rankings obtained following the admission exams and requirements.

The reserved positions not covered by the candidates (corresponding to the cases under 3, 4), shall become part of the regular selection procedure and assigned according to admission examination results.

### ART. 7

#### Examinations

1. The examination procedures and the dates of the exams are indicated in Article 2.2 of the above reported schemes of each doctoral course. These dates are to be regarded as official legally binding calls.

**Candidates will therefore not receive any other sort of call or summons by the University as to the exams prescribed for the Ph.D. Course they have applied for.**

The candidate does not have to be present during qualification assessment procedures.

**ANY CHANGES IN DATES AND TIMES WILL BE MADE PUBLIC ON THE UNIVERSITY WEBSITE AND IT HAS TO BE REGARDED AS AN OFFICIAL LEGALLY BINDING CALL.**

**A candidate who is not present at the time and place indicated for the examination will automatically be excluded from the competition.**

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

2. To sit the prescribed exams for the course applied for, candidates must be present on the dates and times indicated in the above-mentioned schemes (indicated in art. 2.2) and provide a valid identification card.

For some Ph.D. courses, as indicated in the relevant descriptive tables, candidates may request to sit the oral exam in another language other than Italian (check for details).

Candidates, only if indicated as an option in the chosen Ph.D. Course, sit the oral exam via web conference communication systems. In this case, the candidate is required to provide contact information in their application and guarantee the use of a webcam to allow the Commission to verify the candidate's identity.

Furthermore, during the interview, the Commission Board will assess the suitability of the candidate in relation to the research topics of the restricted-topic scholarships indicated in the application form.

If one or more scholarships are not awarded due to the established lack of eligibility in the examination or because they were not chosen at the time of registration for the competition, the Commission may, after checking the availability of the candidate(s)/applicant(s), proceed to assess the eligibility of the candidate(s).

### ART. 8

#### **Examination Committee and competition rules**

1. The Examination Committee, designated by the Board of Professors, is appointed by the Rector through a specific decree and is composed by a minimum of three to a maximum of five members among professors and assistant professors. At least one of the members must be full or associate Professor.

Having regard to Italian Law about "Equal Opportunities for Men and Women" and specifically to Art. 57 of the Leg. Decree n. 165, 30 March 2001, at least one third of the Examining Board has to be women, except impossibility to be demonstrated when the Board proposal is made. In any case the gender balance must be respected: each gender must be represented at least by one third of components.

Having regard to Art. 35 bis of the Leg. Decree n. 165, 30 March 2001, Individuals condemned for crimes – even if not yet sentenced – in Book II of the Italian Penal Code ("crimes by civil servants against public administration") cannot be nominated as members of the Examining Board.

**Teachers who have issued letters of reference to candidates cannot be part of the exam boards.**

2. For PhD courses that include places financed or co-financed under the PNRR (DD.MM. 629 and 630) or in any case financed by external Bodies, the Commission can be integrated by a representative of the funding body.

3. The Commission can carry out the preliminary meeting and the meeting related to the evaluation of the candidates' qualifications electronically. Insofar as they are compatible, the rules of the University Regulations on the subject are guided (D.R. n. 319/2020 of March 17,2020).

4. The candidate's scores will be indicated out of a total of 100 points.

The results of the assessment of the qualifications will be published on the web site of the University [https://www.univaq.it/en/section.php?id=2250&lang\\_s=en](https://www.univaq.it/en/section.php?id=2250&lang_s=en) and on the web site of the concerned Department and/or the Ph.D. web site.

The results of the written exam, signed by the President and by the secretary of the Examination Committee, will be published on the Department's notice board and/or the site of the Department where the test was conducted.

At the end of the session the Examination Committee draws up the list of the interviewed applicants with the obtained scores.





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Amministrazione centrale  
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*Settore Dottorati, Assegni e Borse di Ricerca*

This list, signed by the President and by the secretary of the Examination Committee will be published on the web site of the Department at which the test was conducted, on the same day of the oral examination.

### ART. 9

#### Rankings and assignment of scholarships

1. Once all the interviews have been completed the Examination Committee draws up the final ranking list according to the sums of the obtained scores.

In the case of having the same score, gender balance is taken into account (the gender that prevails is the less represented one among candidates placed in higher positions of the same ranking list). Where there are further equal results, the younger candidate will prevail.

In the frame of the above-mentioned ranking, the scholarships concerning specific themes or research projects will be assigned by the Evaluation Board, on the basis of the suitability check pursuant to art. 7.2 paragraph

In the event that more than one candidate is eligible for the same theme scholarship, the Commission will allocate the scholarship on the basis of the merit ranking.

Candidates who rank in positions that make them eligible for more than one thematic scholarship, will be assigned one of these possible scholarships by the Examination Committee.

Regarding at the reserved positions, if specific modalities of admission are envisaged, the Commission shall draw up a specific merit list.

The University Administration makes this list public by publishing it on the official notice board of the University <https://www.univaq.it/section.php?id=1391> and on the University web site [https://www.univaq.it/en/section.php?id=2250&lang\\_s=en](https://www.univaq.it/en/section.php?id=2250&lang_s=en), once the validity of the examination procedure has been checked.

The applicants will obtain a Ph.D. position according to their position on the ranking list.

If the candidate obtains an equal position in more than one Ph.D. course, he/she must choose one course.

### ART 10

#### Enrolment in Ph.D. Courses

1. Successful candidates must submit their enrolment through the University of L'Aquila official website [https://www.univaq.it/en/section.php?id=2250&lang\\_s=en](https://www.univaq.it/en/section.php?id=2250&lang_s=en), within 15 days from online publication of selection results.

No information will be sent to the candidate's home. Candidates granted admission to the Courses are responsible for checking enrolment dates and procedures.

**Failure to enroll by the deadlines set for each Course will be considered as drop out and the place will subsequently be assigned to the next candidate according to the ranking.**

Successful candidates, who are admitted to the competition conditionally, will also have to produce self-certification that they have been awarded the degree within 3 days of obtaining it.

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

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The enrolment forms, available on the University website, duly signed, must be delivered to the “Settore Dottorati, Assegni e Borse di Ricerca”, within the deadline foreseen for the enrolment. The documents can be delivered in one of the following ways:

- by certified e-mail (PEC) addressed to [protocollo@pec.univaq.it](mailto:protocollo@pec.univaq.it).

The certified e-mail account used must be the candidate's personal account. The administration shall not accept documents from candidates using certified e-mail accounts belonging to other individuals or to institutions. The University Administration declines all responsibility for any non-deliveries or misdeliveries of the documents sent via PEC or in case the documents attached to it are non-readable or damaged.

The date of submission will be indicated on the receipt sent automatically by the PEC system.

- by mail addressed to [concorso.dottorati@univaq.it](mailto:concorso.dottorati@univaq.it). **All documentation must be attached in pdf format.**

The documents to submit compulsory are the followings:

- a) Enrolment form;
- b) Self-Declaration in substitution of certification and Self-Declaration in substitution of attested affidavit in accordance with articles 46 and 47 of the Presidential Decree – 28th December, 2000, n.-445 (using the forms available on the University website <https://www.univaq.it/section.php?id=684>);
- c) a copy of an identity document;
- d) a photocopy of the candidate's fiscal-code number;
- e) a photocopy of the candidate's “Italian-residency permit” (permesso di soggiorno) – only for non-EU citizens.

### **Foreign citizens must declare possessing the following requisites:**

1. that they benefit from civil rights and right to vote in their country;
2. that, aside from Italian citizenship, they possess all other requisites required for citizens of the Italian Republic.

**Applicants holding a university Degree awarded abroad must enclose**, also, the following documents, translated and certified by competent Italian Diplomatic Authorities:

- copy of their university degree with “Declaration of Value” provided by the Italian Embassy/consulate operating in the student's country of residence;
- Transcript of records of the exams given during the degree course and marks awarded.

Alternatively, the winner may present the certificate of comparability and the certificate of verification issued by CIMEA as part of the agreement stipulated with the University of L'Aquila (<https://www.cimea.it/pagina-attestat-di-comparabilita-e-verification-of-qualifications>).

For the registration, please enter the service Diplome, via the following link <https://cimea.diplome.eu/univaq/#/auth/login>.

If the above documentation is not available at the time of enrolment, the candidate's enrolment shall be deemed “subject to verification”. In this case all the above-mentioned compulsory documentation must be consigned **by and no later than the 31<sup>st</sup> December 2024, failure to do so will result in expulsion from the course.**

Candidates with a qualification obtained abroad, when they arrive in Italy, are required to deliver the originals of the documentation relating to the qualification to the Settore Dottorati, Assegni e Borse di Ricerca.



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UNIVERSITÀ  
DEGLI STUDI  
DELL'AQUILA

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

### Scholarship winners must present a:

- self-declaration to obtain the scholarship for the Ph.D. course they have earned admission to;
- Scholarship accreditation form.

**Within 15 days from the start of the Ph.D. Course**, candidates who have been conferred a scholarship must send by mail a photocopy of a receipt from the INPS (national social security service), certifying that they have been registered in “posizione contributiva alla gestione separata” (for information visit the INPS website at [www.inps.it](http://www.inps.it)).

False declarations shall lead to the candidate's expulsion from the Ph.D. course and to prescribed sanctions for such offenses, vacant positions will be assigned to other candidates according to the ranking list.

2. Successful candidates who do not want to enroll in the course they have been selected for, must immediately send a signed letter of renunciation enclosing a photocopy (front-back) of their identity card.

When candidate, even if not winner of the competition, have right to be enrolled, the suitable candidate entitled to be enrolled will receive a communication to the e-mail address indicated on the application for participation in the competition. Candidates selected as replacements must write a letter of acceptance within three days of the aforementioned email. All other necessary documents indicated in this announcement must be consigned within, and no later than, ten days after receiving notification.

Failure to enroll by the deadline indicated is equivalent to tacit renunciation.

### ART. 11

#### Connection with specialization schools

Students enrolled in specialization schools in the Medical area that in the academic year 2024/2025 will be enrolled in the last year of the course, if winners of the admission competition, they can enroll in the chosen doctoral course if they have obtained from the Board of the Specialization School and the Teaching Body the certificate of compatibility of the joint attendance, on the based on the distance between the sites and on the evaluation of the activities and commitment envisaged by the Specialization School and the PhD Program.

The trainee can ask the Academic Board to reduce the PhD course, not exceeding one year, by attaching to the request a certificate of the research activities already carried out issued by the Board of the Specialization School.

The acceptance of the application is arranged by the Board of Professors following the assessment of the consistency of the research activities already carried out in the medical specialization course with the doctoral project.

During the joint attendance period, students enrolled in specialization schools will not be able to take advantage of a scholarship for a research doctorate or other forms of funding.



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UNIVERSITÀ  
DEGLI STUDI  
DELL'AQUILA

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

### ART. 12

#### Public Employee

Public employees admitted to PhD courses can be placed on request, compatibly with the needs of the Administration to which they belong, on extraordinary leave for study purposes without paychecks for the duration of the course and take advantage of the scholarship where applicable the required conditions.

If the winner of a Ph.D. scholarship funded by PNRR or by public or private organization, who already is a public employee or who will become a public employee during the Ph.D. course, he/she must request a special leave for study reasons, without checks, to his/her organization for the entire duration of the course. If he/she cannot obtain the abovementioned special leave, he/she cannot enroll or continue the Ph.D. course.

In the event of admission to PhD programs without a scholarship, or renouncing this, the interested party on leave retains the economic, social security and retirement benefits granted by the public administration with which the relationship of work is established.

If, after obtaining the research doctorate, the employment relationship with the public administration ceases by the decision of the employee in the following two years, the repetition of the amounts paid is due.

Public employees who have already obtained the title of PhD, nor public employees who have been enrolled in PhD courses for at least one academic year, benefiting from this leave, are not entitled to extraordinary leave, with or without paychecks.

The public employee who does not apply for leave, or in the event that the leave is not granted by the institution to which they belong, can continue their studies only with the favorable opinion of the Faculty Board.

The period of extraordinary leave is useful for the purposes of career progression and retirement and social security benefits.

### ART. 13

#### Grants – Scholarships

1. The grants available indicated in the Ph.D. chart (art. 2.2) are assigned according to the ranking list drawn up by the Examination Commission.

A Ph.D. gross grant consists of € 16.243,00 which includes health and social security taxes that, in 2024, amounts to 35,030%, but only 11,677% is paid by the beneficiary.

From the first year of each Ph.D. course, for each PhD student with or without a scholarship, a research budget, not less than 10% of the total sum of the grant conferred, will also be available for research activity in Italy or abroad.

2. Grants are yearly provided and are renewed on the condition that the Ph.D. student has completed all programmed activities for the course during the previous year.

If the Ph.D. student is not positively assessed for the purpose of renewing the scholarship, or renounces it, the unused amount remains available to the Institution, for the same purposes.

A Ph.D. scholarship cannot be cumulated with other grants except for those provided by national or foreign institutions which are aimed at integrating the Ph.D. student's research activity with periods abroad.

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

The payment of the scholarship is made by monthly installment.

Candidates who have already benefited from other Ph.D. study grants in Italy (even if only for one year) are not eligible to receive another grant.

If a Ph.D. student does not respect what is indicated in article 15 paragraph 6 of Ph.D. regulations, his/her scholarship will be stopped.

3. Grants provided by PNRR funds, other Universities and public or private bodies are linked to specific research topics. These grants shall be assigned by the Examination Committee, candidates to whom grants are conferred have to find out all the details and conditions regarding the grant before accepting.

In case a scholarship funded by subjects external to the University is awarded, whether they are public or private entities, the amount will be disbursed only if the corresponding funding has been received.

### **The acceptance of thematic scholarships financed from PNRR funds entails the following obligations:**

- a. for "PNRR Research" grants: spend a period of study and research abroad from a minimum of six (6) months to a maximum of twelve (12) months;
- b. for PNRR grants for Public Administration and Cultural Heritage: spend a period of study and research abroad from a minimum of six (6) months to a maximum of twelve (12) months and provide for periods of study and research in companies, research centers or Public Administrations from a minimum of six (6) months to a maximum of twelve (12) months;
- c. for grants dedicated to digital and environmental Transitions: spend a period of study and research abroad of at least six (6) months to a maximum of twelve (12) months and foresee periods of study and research in companies or research centers to a minimum of six (6) months to a maximum of twelve (12) months;
- d. for PNRR DM 630/2024 grants: spend a period of study and research abroad from a minimum of 6 months to a maximum of twelve (12) months and provide for periods of study and research in the company from a minimum of six (6) months to a maximum of eighteen (18) months.

The periods of study and research abroad and in Public Administrations, company and research centers can also be non-continuous.

### **ART. 14**

#### **Attendance Abroad**

All Ph.D. students can carry out training periods abroad in qualified institutions. Such training or study periods abroad cannot be longer than 12 months and can be allowed in case they are foreseen by:

- a) The study program of the Ph.D. course;
- b) Upon advice of the course coordinator or board;
- c) Upon request made by the Ph.D. student.

The period of study abroad can be extended until 18 months at maximum only for the PhD in co-tutelle with foreign bodies.

All the Ph.D. students, with or without grants, are entitled to an increase in the scholarship up to a maximum of 50% for the aforementioned training periods abroad.

Before going abroad the following documents must be sent to the above-mentioned Ph.D. office by the Coordinator:

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale  
*Area Ricerca e Trasferimento Tecnologico*  
*Settore Dottorati, Assegni e Borse di Ricerca*

- Signed authorization by the course Coordinator for training/study periods abroad of 6 months or less
- or
- Board resolution allowing a period of over 6 months.

The authorization must include:

- the source of financial coverage for the additional sum of the scholarship;
- indication of the fund to which the additional sum of the scholarship is to be sent, if this sum is to be paid by the Department.

Upon returning to Italy, or each month, the Ph.D. Coordinator shall present the Certification about study periods abroad. and shall request the payment of the scholarship increase.

### **ART. 15** **Tuition Fees**

All Ph.D. students are exempt from tuition payments. All Ph.D. students must only pay € 156,00; the Regional tax (€ 140,00) and a duty stamp “marca da bollo” (€ 16,00).

Late payment will result in a € 52.00 fine.

### **ART. 16** **Rights and Duties**

1. Ph.D. students are obliged to attend lessons and carry out all prescribed activities regularly in accordance with the programs and schedules set by the Board of Professors.
2. The University provides insurance coverage for the entire duration of the Ph.D. course and for activities pertaining to the course.
3. Compatible employment activities shall be allowed for brief periods, following authorization from the Board of Professors, after hearing the favorable opinion of the supervisor, as long as such commitments do not pose any sort of conflict with the activities required within the Ph.D. course.
4. Interruptions in attendance shall be allowed for:
  - a) Illness or injury for periods of 30 days or more;
  - b) Military or civil service;
  - c) Training courses for teacher certification.

Interruption may also be agreed for substantiated serious personal reasons after having received a positive opinion of the Board of Professors. Discontinuation does not last longer than six months one year according to the total course length. Ph.D. students benefitting of interruption period must recover the entire time with consequent test delay for the move to following year and for the awarding of title.

5. Maternity/paternity leave and leave for adoption or foster care may also be authorized. Maternity-leave laws and regulations as indicated in Gazzetta Ufficiale n. 247 of 23<sup>rd</sup> October, 2007 shall be applied only to scholarship holders.

## UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Amministrazione centrale

*Area Ricerca e Trasferimento Tecnologico*

*Settore Dottorati, Assegni e Borse di Ricerca*

6. A Ph.D. student's unexcused absence or non-fulfillment of obligations shall result in his/her exclusion from the course by the Board of Professors. In this case the expelled Ph.D. student shall be liable for the sum of the scholarship conferred or for tuition fees.
7. Ph.D. students enrolled at the University of L'Aquila may carry out limited teaching or tutoring activities within the University's Bachelor and Master-level degree courses if so established and programmed by the Board of Professors in agreement with the University Department.
8. Ph.D. students must preserve the confidentiality in information, knowings and materials that the organizations will make available for the study and research activities. They must not disclose beyond subject different by the ones that gave to them, in accordance with the Ph.D Course Regulation of this University.

### **ART. 17 Graduation**

A Doctoral Degree title (Dott. Ric. or Ph.D.) will be awarded following a positive assessment of the Ph.D. thesis, considering the results achieved.

Students can write their Ph.D. thesis in Italian or in English, an abstract in English must also be provided. Students wishing to write their thesis in a language different from Italian or English must receive authorization from the Board of Professors.

The evaluation committee for Ph.D. thesis discussion will be appointed according to the Ph.D. Regulations of the University.

### **ART. 18 Head of the Competition Procedure**

According to art. 5 of law 07/08/1990, n. 241, the Head of the Settore Dottorati, Assegni e Borse di ricerca of the University of L'Aquila (Piazza Santa Margherita, 2 – Palazzo Camponeschi - L'Aquila) shall be responsible for the competition procedure.

### **ART. 19 Legal Reference**

For all other matters not foreseen or included in this announcement we shall refer to Law n. 210 of 03/07/98, Law n. 240 of 30/12/2010, Ministerial Decree 226/2021 and to the "Regolamento dei corsi di Dottorato di Ricerca" (Ph.D. regulations) of this University. Regarding PhD scholarships funded from PNRR funds, the provisions of Ministerial Decree 629 and 630 of April 24, 2024, also apply.

This announcement is available at: [https://www.univaq.it/en/section.php?id=2250&lang\\_s=en](https://www.univaq.it/en/section.php?id=2250&lang_s=en).

Further information may be requested through HELP POINT ONLINE, accessible from the website <https://help.univaq.it/>

L'Aquila

The Rector of the University of L'Aquila  
Signed Prof. Edoardo Alesse

<b>Ph.D. Course in CIVIL, CONSTRUCTION-ARCHITECTURAL AND ENVIRONMENTAL ENGINEERING</b>	
Ordinary places	<b>9</b>
of which	
with grant	<b>7</b>
without financial support	<b>2</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 4 grants – University of L'Aquila</li> <li>• 2 grants funded by the Department of Excellence DICEAA</li> <li>• 1 grant funded pursuant to Ministerial Decree 629/2024 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Doctorates for the Public Administration"– CUP E11I24000180001</li> </ul>
Grant subjects 629/2024 M4C1 – Inv. 4.1 “PhD for Public Administration”	<p><b>1 grant</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Gran Sasso as architecture</i>”, in collaboration with the Italian Institute for Environmental Protection and Research (ISPRA) - Referring Professor: Prof. <i>F. De Dominicis</i></li> </ul>
Grants subjects Department of Excellence DICEAA	<p><b>1 grant</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Safety of natural and built environment</i>” (<a href="https://dicea.univaq.it/index.php?id=4496">https://dicea.univaq.it/index.php?id=4496</a>) – Referring Professor: Prof. <i>Marcello Di Risio</i></li> </ul> <p><b>1 grant</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Development strategies in fragile and complex contexts</i>” (<a href="https://dicea.univaq.it/index.php?id=4496">https://dicea.univaq.it/index.php?id=4496</a>) – Referring Professor: Prof. <i>Marcello Di Risio</i></li> </ul>
Duration	3 years
Curricula	<p>a) <b>Civil and Environmental Engineering</b> b) <b>Construction-Architectural Engineering</b></p>
University Department Responsible for the Ph.D. Course	Department of Civil, Construction-Architectural and Environmental Engineering
Ph.D. Course Website	<a href="https://diceaa.univaq.it/index.php?id=phdiceaa">https://diceaa.univaq.it/index.php?id=phdiceaa</a>
Ph.D. Course Coordinator	Prof. <i>Marcello Di Risio</i> <a href="mailto:marcello.dirisio@univaq.it">marcello.dirisio@univaq.it</a>
Admission Requirements	<p>All master-level degrees or foreign degrees with certified equivalency or recognized as equivalent to the afore-mentioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. program’s starting date, may also apply.</p>
Admission Procedure	Assessment of qualifications/certifications held by the candidate and oral exams
Examination topics	<p>The subjects will refer to those characteristics of the training courses typical of civil, construction-architecture and environmental engineering.</p> <p><b>Curriculum a): Civil and Environmental Engineering:</b> Engineering Geology, Hydraulic Structures, Maritime Engineering and Hydrology, Transportation, Surveying and Mapping, Geotechnics, Structural mechanics, Structural engineering</p> <p><b>Curriculum b): Construction-Architectural Engineering:</b> Architectural Engineering, Building Production, Architectural and urban design, Representation of Architecture, History of Architecture, Conservation and Restoration of Architecture, Urban and regional planning, Urban Design and Landscape</p>





<p>How to apply</p>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
<p>Documents to be annexed to the Application</p>	<ol style="list-style-type: none"> <li>1. CV</li> <li>2. Candidates holding a degree from an Italian University must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> <li>• Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning the exams so far taken in their Master-level Degree course indicating marks obtained.</li> </ul> </li> <li>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call and they have to submit also a declaration of the time required for obtaining the qualifications.</li> <li>5. A summary of their master's degree thesis, in A3 format, and made up of max. 10 pages of which at least three written and the rest in graph/table format, if the thesis consists in project.</li> <li>6. A description of the research project (<b>no more than 3.000 words</b>) that the candidate proposes to carry out within the Ph.D. course he/she is applying for.</li> <li>7. Publications.</li> <li>8. Additional qualifications deemed appropriate for admission.</li> <li>9. Summary sheet with the following details: <ul style="list-style-type: none"> <li>• Bachelor's degree mark or weighted average exams' grades</li> <li>• Master's degree mark or weighted average exams' grades</li> <li>• If applicable, single-cycle degree mark or weighted average exams' grades</li> <li>• Years taken to get the bachelor's degree</li> <li>• Years taken to get the master's degree</li> <li>• If applicable, years taken to get the single-cycle degree</li> </ul> </li> </ol>
<p>Language(s)</p>	<p><b>Assessment of foreign language skills</b> During the oral exam shall be assessed the <b>ENGLISH</b> language skills and competence</p> <p><b>Admission</b> The candidate may sit the exams in <b>ITALIAN</b> or <b>ENGLISH</b></p>
<p>Exam Schedules</p>	<p><i>Qualification assessment: July 29, 2024, at 10:00 a.m</i></p> <p><i>Oral exam: July 31, 2024, at 09:00 a.m. – Room B0.12 of B Building - Monteluco di Roio – L'Aquila</i></p>
<p>Assessment Criteria</p>	<p>The assessment procedure consists in two phases: qualification evaluation and an oral exam which includes English language skills assessment. The Candidate's score will be indicated out of a total of 100 points, as follows:</p> <ol style="list-style-type: none"> <li>1. <i>Qualification assessment</i>: Maximum 40 points. The evaluation is based on the qualifications indicated by the candidate in his/her application – up to a maximum of 40 points.</li> </ol> <p>The score is attributed as follows:</p>

	<p>a. Degree mark or evaluation of the marks obtained during the candidates' academic career (for candidates not graduated yet) up to 16 points, attributed as follows:</p> <ul style="list-style-type: none"> <li>• In case of a single-cycle master's degree already achieved: up to 12 points for the degree mark (points are allocated as follow: Until 99/110 = 0 points; 100/110 = 1 point; 101/110 = 2 points, this way until the maximum, 110/110 = 11 points; 110 cum laude is 12 points).</li> <li>• In case of a single-cycle master's degree not yet awarded: up to 12 points for the weighted average of the marks obtained for the exams (non-graduates: points 0 for 99 and one point from 99 onwards).</li> <li>• In the case of a master's degree already obtained: up to 12 points awarded on the basis of the weighted average of the first level degree mark (weight 3) and second level degree (weight 2).</li> <li>• In the case of a master's degree not awarded: up to 12 points awarded on the basis of the weighted average of the bachelor's degree (weight 3) and the weighted average of the marks obtained for the master's degree exams already passed (weight 2).</li> <li>• For all cases: up to 4 points for a career assessed on the time required for graduation (eg: 4 points for those who graduate in five years, 3 for those who graduate in six, 2 for those who graduate in seven, 1 for those who graduate in eight and for the others 0 points).</li> </ul> <p>b. Thesis, research project and publications: maximum 20 points as follows:</p> <ul style="list-style-type: none"> <li>• Thesis summary: max. 3 points</li> <li>• Research Project: max. 14 points</li> <li>• Publications: max. 3 points</li> </ul> <p>c. For additional qualifications indicated: max. 4 points.</p> <p>3. <i>Oral exam</i>: max. 60 points The oral exam consists in an in-depth discussion of his/her research project (maximum duration 8 minutes), of the qualifications indicated by the candidate, including an on topics of general interest pertaining to the Ph.D. course applied for. The assessment of the candidate's knowledge and understanding of English language.</p>
<p>Title evaluation results publication</p>	<p>Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on Department website: <a href="http://diceaa.univaq.it/">http://diceaa.univaq.it/</a></p>
<p>Additional Reserved Ph.D. positions not part of the selection procedure (assigned through other procedures)</p>	<p>Positions reserved for students selected within specific international mobility programs: n. 0</p> <p>Positions reserved for scholarship holders from foreign countries: n. 0</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. 0</p>

<b>Ph.D. Course in INFORMATION AND COMMUNICATION TECHNOLOGIES – ICT</b>	
Ordinary places	<b>17</b>
of which	
with full grant	<b>13</b>
without financial support	<b>4</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 6 grants - University of L'Aquila</li> <li>• 7 grants funded pursuant to Ministerial Decree 630/2024 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" - CUP E11I24000220001</li> </ul>
Grants subjects DM 630/2024 M4C2 – Inv. 3.3 “Innovative doctorates that respond to the innovation needs of companies”	<p><b>7 grants</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Electric propulsion systems for highly reliable industrial vehicles and systems for their testing</i>”, managed with TEKNE S.r.l. - Ortona (CH) - Referring Professor: Prof. C. Buccella</li> <li>• “<i>Efficiency of refrigerated warehouses through the adoption of artificial intelligence techniques and newly developed circulator pumps and power compression units powered by photovoltaics</i>”, managed with SOLIS S.p.A. - Casoli (CH) - Referring Professor: Prof. C. Cecati</li> <li>• “<i>Intelligent decision support system, in natural language, for the supervision of digital monitoring event management</i>”, managed with SPEE S.r.l. - L'Aquila (AQ) - Referring Professor: Prof. G. De Gasperis</li> <li>• “<i>Cybersecurity for operational Technologies</i>”, managed with S.EL.ME.C. S.r.l. - Chieti (CH) - Referring Professor: Prof. A. Marotta</li> <li>• “<i>Fraud detection via ML-based image processing</i>”, managed with Reiss Romoli S.r.l. L'Aquila (AQ) - Referring Professor: Prof. A. Marotta</li> <li>• “<i>Study of theoretical aspects applied to reconciliation procedures of satellite quantum key distributions</i>”, managed with THALES ALENIA SPACE ITALIA- Roma (RM) - Referring Professor: F. Santucci</li> <li>• “<i>Management of data generated by the internal activity of a DAO (Decentralized Autonomous Organization) using AI (Artificial Intelligence) techniques</i>”, managed with BCC Studio S.r.l. - Bergamo (BG) - Referring Professor: Prof G. De Gasperis</li> </ul>
Duration	3 years
Curricula	<p>a) <b>System Engineering, telecommunications and HW/SW Platforms</b>  b) <b>Emerging computing models: algorithms, software architectures and intelligent systems</b></p>
University Department Responsible for the Ph.D. Course	Department of Information engineering, computer science and mathematics
Ph.D. Course Website	<a href="http://phdict.disim.univaq.it/">http://phdict.disim.univaq.it/</a>
Ph.D. Course Coordinator	<i>Prof. Davide DI RUSCIO</i> <a href="mailto:davide.diruscio@univaq.it">davide.diruscio@univaq.it</a>
Admission Requirements	<p>All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the afore-mentioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. programme’s start date, may also apply.</p>
Admission Procedure	<p>Qualification assessment and oral exam.  Candidates will take the oral exam via web (Skype and others); for this purpose, in the application form each candidate must indicate a valid contact address. During the oral exam the committee will certify the identity of each candidate, to this end the candidate shall show a valid identification document with recent photo.  Applicants may sit the oral exam in English.</p>

Examination topics	In the oral exam, the Committee evaluates the following aspects: candidate's qualifications and his/her base knowledge in the ICT domain, and in particular, in the themes that characterize the Ph.D. program in ICT; his/her motivation, scientific interests and research aptitude.
How to apply	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
Documents to be annexed to the Application	<ol style="list-style-type: none"> <li>1. CV</li> <li>2. Candidates holding a degree from an Italian University must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their bachelor's degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their master's degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> <li>• Self-certification of their bachelor's degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification of the exams so far taken in their master's degree course indicating marks obtained.</li> </ul> </li> <li>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</li> <li>5. The candidate must indicate the name of one or two professors with their e-mail address. The referee will receive an e-mail with the instruction to write the recommendation letter directly online.</li> <li>6. Summary, max.2 pages (font at least 10), of the candidate's Degree thesis.</li> <li>7. The research project that the candidate intends on carrying out during the Ph.D. Course. This summary has to include a possible schedule of tasks (max 3 pages included the references, font size at least 10).</li> <li>8. Any publications and any research project which the candidate participated, if considered useful for the evaluation.</li> <li>9. Other qualifications deemed appropriate for evaluation.</li> </ol>
Language(s)	<p><b>Assessment of foreign language skills</b> ENGLISH language skills and competence shall be assessed during the oral exam.</p> <p><b>Admission</b> The candidate may sit the exam in ITALIAN or ENGLISH.</p>
Exam schedule	<p><i>Qualification assessment: July 29, 2024, at 10:00 a.m. online</i></p> <p><i>Oral Exam: July 31, 2024, at 10:00 a.m. online</i></p>
Assessment Criteria	<p>The assessment procedure consists of two phases: qualification assessment and oral exam. Scores are indicated out of a total of 100 points, assigned as follows:</p> <ol style="list-style-type: none"> <li>1. Qualification assessment: Max. 50/100 points attributed through assessment of the candidate's CV, letters of recommendation, publications and other qualifications. The minimum score required for admission to sit the oral exam is 30/100.</li> <li>2. Oral exam: Max. 50/100. During the oral exam each candidate has to make an in-depth discussion and presentation of his/her degree thesis and the Ph.D. research project. The aim is to evaluate the candidate's aptitude and motivation for research and his/her general competencies. The exam includes assessment of the candidate's English language skills. Applicants may sit the oral exam in English.</li> </ol>
Title evaluation results publication	Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on Department website <a href="http://www.disim.univaq.it">http://www.disim.univaq.it</a> .
Additional Reserved Ph.D. positions not part of the selection procedure (assigned through other procedures)	Positions reserved for students selected within specific international mobility programs: n. 0



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	<p>Positions reserved for scholarship holders from foreign countries: n. 0</p> <p>Positions covered by scholarship reserved for applicants having obtained a degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a degree abroad n.0</p>
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<b>Ph.D. Course in INDUSTRIAL AND INFORMATION ENGINEERING AND ECONOMICS</b>	
Ordinary places	<b>24</b>
of which	
with grant	<b>18</b>
without financial support	<b>6</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 9 grants – University of L'Aquila</li> <li>• 2 grants financed pursuant to Ministerial Decree 629/2024 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Doctorates for the Public Administration" - CUP E11I24000190001</li> <li>• 6 grants financed pursuant to Ministerial Decree 630/2024 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" – CUP E11I24000230001</li> <li>• 1 grant financed by the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)</li> </ul>
Grants subjects DM 629/2024 M4C1 – Inv. 4.1 "PhD for Public Administration"	<p><b>2 grants</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• <i>"Old and new paradigms of territory governance"</i> managed with the Municipality of Rieti – Referring Professors: Prof. W. Giulietti and Prof. F. Caporale</li> <li>• <i>"The functions of the province in the constitutional dimension of local autonomy"</i>, managed with Province of L'Aquila- Referring Professor: Prof. F. Politi</li> </ul>
Grants subjects DM 630/2024 M4C2 – Inv. 3.3 "Innovative doctorates that respond to the innovation needs of companies"	<p><b>6 grants</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• <i>"Develop advanced electromagnetic calculation methodologies suitable for use in the design of metasurfaces and reconfigurable surfaces"</i> managed with Rina Consulting S.p.A. Genova (GE) – Referring Professor: Prof. G. Antonini</li> <li>• <i>"Technological innovation and policies for sustainability"</i>, managed with Prometeia – Bologna – Referring Professor: Prof. M. Valente</li> <li>• <i>"GeoSpatial Information Systems for Photovoltaic Plants Development and Monitoring"</i>, managed with Rainbow Lab S.r.l. - Roma (RM) – Referring Professors: Prof. E. Clementini and Prof. C. Villante</li> <li>• <i>"Viscoelastic effects on tribological capabilities of lubricants with polymer additives"</i> managed with AC2T research GmbH – Austria – Referring Professor: Prof. L. Biancofiore</li> <li>• <b>no. 2 grants</b> <i>"Wireless Power Transfer (WPT) systems for automotive and robotic application"</i> managed with Zerowire S.r.l. - L'Aquila (AQ) – Referring Professor: Prof. M. Feliziani</li> </ul>
Grant subject ENEA	<p><b>1 grant</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• <i>"Gasification of residual biomass and CO<sub>2</sub> capture at atmospheric pressure and under pressure"</i> managed with ENEA - Referring Professor: Prof. A. Di Carlo</li> </ul>
Duration	3 years
Curricula	<ul style="list-style-type: none"> <li>a) <b>Chemical and Materials Engineering</b></li> <li>b) <b>Electrical Engineering, Electronics and Information</b></li> <li>c) <b>Mechanical, Energy and Management Engineering</b></li> <li>d) <b>Legal and Business Sciences</b></li> </ul>
University Department Responsible for the Ph.D. Course	Department of Industrial and Information Engineering and Economics
Ph.D. Course Website	<a href="https://diite.univaq.it/index.php?id=2613">https://diite.univaq.it/index.php?id=2613</a>

Ph.D. Course Coordinator	<p>Prof. Katia GALLUCCI <a href="mailto:katia.gallucci@univaq.it">katia.gallucci@univaq.it</a></p>
Admission Requirements	<p>All Master-level degrees or foreign degrees with certified equivalency or recognized as equivalent to the afore-mentioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned degrees by no later than the enrollment, and before the Ph.D. programme's start date, may also apply.</p>
Admission Procedure	<p>Qualification assessment and oral exam.</p>
Examination topics	<p>The examination will be based on the typical topics related to the following specialized educational paths: Chemical and Materials Engineering, Electrical and Electronics Engineering, Information Engineering, Mechanical, Energy and Management Engineering and legal, business and economical sciences (according to all the curricula of the Ph.D). The themes will be specific as well as general, making reference to the most important and relevant aspects of the cited engineering courses and legal and economical ones as well as to aspects which could be considered multi-disciplinary. Themes concerning common methodologies related to research and to the relationships to social and economic aspects could be considered as well.</p>
How to apply	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
Documents to be annexed to the Application	<ol style="list-style-type: none"> <li>CV</li> <li>Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> <li>Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> <li>Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>Self-certification concerning the exams so far taken in their Master-level Degree course indicating marks obtained.</li> </ul> </li> <li>Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</li> <li>Research project (font 11; max 6000 words, spaces included).</li> <li>Scientific publications and/or other qualifications deemed suitable for assessment.</li> <li>Summary of the candidate's degree thesis.</li> </ol>
Language(s)	<p><b>Assessment of foreign language skills</b> ENGLISH language skills and competence shall be assessed during the oral exam.</p> <p><b>Admission</b> The candidate may sit the exams in ITALIAN or ENGLISH.</p>
Exam Schedules	<p><i>Qualification assessment: July 29, 2024, at 10:00 a.m.</i></p> <p><i>Oral exam: July 31, 2024, at 10:00 a.m.</i> at the Department of Industrial and Information Engineering and Economics – Roio – L'Aquila– Room B0.1</p>
Assessment Criteria	<p>The examination procedures consist in two phases: qualifications assessment and oral exam.</p> <p>The candidate's score shall be expressed out of a total of 100 points, attributed as follows:</p> <ol style="list-style-type: none"> <li><i>Qualifications assessment:</i> Maximum 40 points distributed as follows: <ul style="list-style-type: none"> <li>Up to 20 points for degree mark or academic career for those who haven't yet obtained their master's degree;</li> <li>Up to 10 points for publications and other qualifications;</li> <li>Up to 5 points for publications;</li> </ul> </li> </ol>

	<ul style="list-style-type: none"> <li>Up to 5 points for other qualifications.</li> </ul> <p>The minimum score for being admitted to the oral exam is 24/40.</p> <p>2. <i>Oral exam</i>: Max. 60 points</p> <p>The exam includes the assessment of the candidate's English language skills. The results of the oral exam will be posted at the Department of Industrial and Information Engineering and Economics. Candidates with a foreign master's degree can take the oral exam online.</p> <p>Regarding the other candidates, the committee will consider the requests of doing the oral exam online only in case of documented and motivated request.</p> <p>The commission, in case of a justified health emergency, can also consider conducting the exams online. In this case, the test will be oral and individual for each candidate.</p>
Title evaluation results publication	Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on Department website <a href="http://diie.univaq.it/">http://diie.univaq.it/</a> .
Additional Reserved Ph.D. positions not part of the selection procedure (assigned through other procedures)	<p>Positions reserved for students selected within specific international mobility programs: n. 0</p> <p>Positions reserved for scholarship holders from foreign countries: n. 0</p> <p>Positions covered by scholarship reserved for applicants having obtained a degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a degree abroad n. 0</p>

## ATTACHMENT EVALUATION CRITERIA

**The Assessment Criteria for the candidates' qualification evaluation will be assigned as follows:**

- a. **up to 20 points for Degree mark or academic career for those who haven't yet obtained their Master-level Degree** will be assigned as follows:

**a1. Degree mark:**

- 20 points for a degree mark equal to 110/110 cum laude;
- 18 points for a degree mark equal to 110/110;
- 16 points for a degree mark included between 105/110 and 109/110;
- 14 points for a degree mark included between 100/110 and 104/110;
- 12 points for a degree mark included between 95/110 and 99/110;
- 10 points for a degree mark included between 90/110 and 94/110;
- 8 points for a degree mark included between 85/110 and 89/110;
- 6 points for a degree mark included lower than 85/100.

If it is not possible to estimate a degree mark, the Commission will assign 6 points.

If the degree mark is based on a different rating scale (e.g. 100 or other) the Commission will convert the mark in a proportional way.

**a2. Academic career for those who haven't yet obtained their Master-level Degree:**

- 20 points for an average mark assessed with the credits acquired for each exam between 28.5 and 30 cum laude;
- 18 points for an average mark assessed with the credits acquired for each exam between 27.5 and 28.49;
- 16 points for an average mark assessed with the credits acquired for each exam between 26.5 and 27.49;
- 14 points for an average mark assessed with the credits acquired for each exam between 25.5 and 26.49;
- 12 points for an average mark assessed with the credits acquired for each exam between 24.5 and 25.49;
- 6 points for an average mark assessed with the credits acquired for each exam lower than 24.49.





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If it is not possible to estimate an average mark assessed with the credits acquired for each exam, the Commission will assign 6 points.

b. **Up to 10 points for research project** will be assigned based on the following criteria:  
the Commission will evaluate the quality of the project, the originality, the innovativeness, the methodological accuracy, the scientific relevance and the consistency with the Ph.D. themes

c. **Up to 5 points for publications** will be assigned based on the following criteria:  
the Commission will assign from 0 to 3 points for each publication based on the quality of the work, the editorial office, the methodological accuracy and the originality

d. **Up to 5 points for other qualifications** will be assigned based on the following criteria:  
the Commission will assign up to 2 points for each document coherent with the themes of the Ph.D. course.

**The minimum mark for being admitted to oral exam is 24/40.**

<b>Ph.D. Course in LITERATURES, ARTS, MEDIA: THE TRANSCODIFICATION</b>	
Ordinary Places	<b>9</b>
Of which	
with full grant	<b>7</b>
Without financial support	<b>2</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 5 grants - University of L'Aquila</li> <li>• 1 grant financed by the Department of Human Studies</li> <li>• 1 grant funded pursuant to Ministerial Decree 629/2024 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Cultural Heritage" - CUP E11I24000210001</li> </ul>
Grant subject DM 118/2023 M4C1 – Inv. 4.1 “Cultural Heritage”	<p><b>1 grant</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• "Cinema-Territory: Abruzzo's film heritage from the silent film period to the digital era", in collaboration with L'Aquila Film Institute "La Lanterna Magica" ETS – Referring Professor: <i>Prof. M. Lino</i></li> </ul>
Duration	3 anni
Curricula	<p>a) <i>Literary studies</i> b) <i>Arts, performance, media</i></p>
University Department Responsible for the Ph.D. Course	Department of Human Studies
Ph.D. Course Website	<a href="http://scienzeumane.univaq.it/index.php?id=1691">http://scienzeumane.univaq.it/index.php?id=1691</a>
Ph.D. Course Coordinator	<p><i>Prof. Livio SBARDELLA</i> <a href="mailto:livio.sbardella@univaq.it">livio.sbardella@univaq.it</a></p>
Admission Requirements	<p>All degrees, with emphasis on humanities degrees in literary studies, arts, philosophy and communication sciences: old system or master's degree or similar academic degree also obtained abroad and declared equivalent or recognized as equivalent to the above academic degrees.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. programme's start date may also apply.</p>
Admission Procedure	Assessment of qualifications/certifications held by the candidate, written and oral exams.
Examination topics	The exam will be focused on specialized subject matters related to the two Ph.D.'s curricula, with particular attention to the comparative approach which analyzes mutual connections.
How to apply	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
Documents to be annexed to the Application	<ol style="list-style-type: none"> <li>1. CV</li> <li>2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> <li>• Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained.</li> </ul> </li> </ol>

	<p>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</p> <p>5. A summary of their degree thesis, max. 2 pages.</p> <p>6. Research project. A report illustrating a possible research project the candidate wishes to carry out within the curriculum applied for.</p> <p>7. Publications.</p> <p>8. Any other additional qualifications deemed appropriate for admission.</p>
Language(s)	<p><b>Assessment of foreign language skills</b> English language skills and competence shall be assessed during the oral exam</p> <p><b>Admission</b> The candidate may sit exams in ITALIAN or ENGLISH</p>
Exam schedule	<p><i>Written exam: July 29, 2024, at 09:00 a.m.</i> at the Department of Human Studies – Viale Nizza – L’Aquila - Classroom 2A</p> <p><i>Qualification assessment: July 30, 2024, at 3:00 p.m.</i></p> <p><i>Oral exam: July 31, 2024, at 8:30 a.m.</i> at the Department of Human Studies – Viale Nizza – L’Aquila – Classroom 1D</p>
Assessment Criteria	<p>The assessment procedure consists of three phases: written exam, qualification evaluation and oral exam. The Candidate’s score will be indicated out of a total of 100 points as follows:</p> <ol style="list-style-type: none"> <li><i>Qualification assessment:</i> the maximum score is 30 points, assigned as follows: <ol style="list-style-type: none"> <li>Curriculum: 5 points</li> <li>Publications: 7 points</li> <li>Project: 15 points</li> <li>Other qualifications: 3 points</li> </ol> </li> <li><i>Written exam:</i> the maximum score is 35 points. To pass the exam, the minimum score required is 20 points. The written test will assess the basic knowledge of the chosen curriculum and the methodological awareness.</li> <li><i>Oral exam:</i> the maximum score is 35 points. To pass the exam, the minimum score required is 20 points. The oral exam will assess the candidate’s scientific research aptitude, his/her research experiences and his/her general preparation on topics related to the curriculum chosen and, above all, on the research project submitted. During the oral exam will be also verified the knowledge and understanding of scientific English.</li> </ol>
Title evaluation results publication	<p>Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on Department website <a href="http://scienzeumane.univaq.it">http://scienzeumane.univaq.it</a>.</p>
Additional Reserved Ph.D. positions not part of the selection procedure (assigned through other procedures)	<p>Positions reserved for students selected in the frame of specific international mobility programs: n. 0</p> <p>Positions reserved for scholarship holders from foreign countries: n. 0</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. 0</p>

<b>Ph.D. Course in MATHEMATICS AND MODELING</b>	
Ordinary places	<b>9</b>
Of which	
with full grant	<b>7</b>
without financial support	<b>2</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 6 grants - University of L'Aquila</li> <li>• 1 grant financed pursuant to Ministerial Decree 630/2024 • Mission 4, Component 1, Investment 3.3. of the PNRR – “Innovative doctorates that respond to the innovation needs of companies” - CUP E11I24000240001</li> </ul>
Grants subjects DM 630/2024 M4C1 – Inv. 3.3 “Innovative doctorates that respond to the innovation needs of companies”	<p><b>2 grants</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Artificial intelligence technologies for digital game-based learning in Mathematics Education</i>” – managed with Stemblocks S.r.l. – Roma - Referring Professor: <i>Prof. L. Guidoni</i></li> </ul>
Duration	3 years
Curricula	///
University Department Responsible for the Ph.D. Course	Department of Engineering, Computer Science and Mathematics
Ph.D. Course Website	<a href="http://people.disim.univaq.it/~dottorato_mate_mode/">http://people.disim.univaq.it/~dottorato_mate_mode/</a>
Ph.D. Course Coordinator	<i>Prof. Davide GABRIELLI</i> <a href="mailto:davide.gabrielli@univaq.it">davide.gabrielli@univaq.it</a>
Admission Requirements	<p>All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the afore-mentioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. programme’s start date, may also apply.</p>
Admission Procedure	<p>Qualification evaluation and oral exam. Applicants can take the oral exam in English, and they may request to take the oral exam online. In this case, when applying, the candidate must specify the modalities for the interview indicating a valid contact address. This request will be authorized by the Committee only after the candidate’s identity verification.</p>
Examination topics	<p>Presentation of the thesis and research activity, discussion regarding general mathematical topics.</p>
How to apply	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
Documents to be annexed to the Application	<ol style="list-style-type: none"> <li>1. CV</li> <li>2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their bachelor’s degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their master’s degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>3. Candidates enrolled in an Italian Degree Course must include:</li> </ol>

	<ul style="list-style-type: none"> <li>• Self-certification of their bachelor's degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification of the exams so far taken in their master's degree course indicating marks obtained.</li> </ul> <ol style="list-style-type: none"> <li>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</li> <li>5. The candidate must indicate the name of two professors with their e-mail address. The referee will receive an e-mail with the instruction to write the recommendation letter directly online.</li> <li>6. Summary, max. 2 pages of the candidate's degree thesis.</li> <li>7. Additional qualifications deemed appropriate for assessment.</li> </ol>
Language(s)	<p><b>Assessment of foreign language skills</b> ENGLISH language skills will be assessed during the oral exam</p> <p><b>Admission</b> The candidate may sit exams also in ENGLISH</p>
Exam schedule	<p><i>Qualification assessment:</i> July 29,2024, at 9:00 a.m.</p> <p><i>Oral Exam:</i> <b>July 31, 2024, at 09:00 a.m.</b> at the Department of Information Engineering, Computer Science and Mathematics – Classroom: A0.4 - Building “Alan Turing” Coppito – L’Aquila</p>
Assessment Criteria	<p>The examination procedure consists of two phases: qualification assessment and oral exam. The candidate's scores will be indicated out of a total of 100 points attributed as follows:</p> <ol style="list-style-type: none"> <li>1. Qualification assessment: assessment of the candidate's CV, letters of recommendation and other qualifications. The minimum score required for admission to sit the oral exam is 30, the maximum score is 50 points.</li> <li>2. Oral exam: the oral exam consists of the candidate's presentation of his/her degree thesis and research activity; moreover, the Committee can ask questions on general mathematical topics. The aim is to evaluate the candidate's aptitude and motivation for research. The test also includes assessment of the candidate's English language skills. Applicants can take the oral exam in English. The minimum score is 30, the maximum score is 50 points.</li> </ol> <p>The foreign candidates may sit the oral exam in English. The minimum score needed to pass is 30 over a max of 50 points for the oral exam.</p>
Title evaluation results publication	<p>Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on PhD website: <a href="http://people.disim.univaq.it/~dottorato_mate_mode/">http://people.disim.univaq.it/~dottorato_mate_mode/</a>.</p>
Reserved Ph.D. positions not part of the selection procedure	<p>Positions reserved for students selected within specific international mobility programs: <b>n. 2</b></p> <p>Positions reserved for scholarship holders from foreign countries: <b>n. 2</b></p> <p>Positions covered by scholarship reserved for applicants having obtained a degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a degree abroad <b>n. 1</b></p>



<b>Ph.D. Course in CLINICAL MEDICINE AND PUBLIC HEALTH</b>	
Ordinary places	<b>10</b>
of which	
with full grant	<b>8</b>
without financial support	<b>2</b>
Grant/Fellowship Funding	<ul style="list-style-type: none"> <li>• 5 grants - University of L'Aquila</li> <li>• 1 grant financed pursuant to Ministerial Decree 629/2024 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Doctorates for the Public Administration" – CUP E11I24000200001</li> <li>• 1 grant financed pursuant to Ministerial Decree 630/2024 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" - CUP E11I24000250001</li> <li>• 1 grant funded by the Istituto Superiore di Sanità (ISS)</li> </ul>
Grants subjects DM 629/2024 M4C1 – Inv. 4.1 “PhD for Public Administration”	<p>1 grant aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Health planning in fragile regional contexts</i>” managed with the Socio-Sanitary Planning Service of Sanitary Department, Abruzzo Region– Referring Professors: <i>Prof. C. Ferri and Prof. D. Di Ludovico</i></li> </ul>
Grants subjects DM 630/2024 M4C2 – Inv. 3.3 “Innovative doctorates that respond to the innovation needs of companies”	<p>1 grant aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Smart Health monitoring for preventive cardiovascular risk</i>” managed with Casa di Cura Privata Di Lorenzo S.p.A. - Avezzano (AQ) – Referring Professor: <i>Prof. S. Romano</i></li> </ul>
Grant Subject ISS	<p>1 grant aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Health literacy and risk communication in health emergencies</i>” – Referring Professor: <i>Prof. L. Fabiani</i></li> </ul>
Duration	3 years
Curricula	<p>a) <b>Internal Medicine, Cardiovascular and Systems Sciences</b> b) <b>Epidemiology, Preventive Medicine and Nursing Sciences</b></p>
University Department Responsible for the Ph.D. Course	Department of Life, Health and Environmental Sciences
Ph.D. Course Website	<a href="https://mesva.univaq.it/?q=node/9622">https://mesva.univaq.it/?q=node/9622</a>
Ph.D. Course Coordinator	<i>Prof. Claudio Ferri</i> <a href="mailto:claudio.ferri@univaq.it">claudio.ferri@univaq.it</a>
Admission Pre-requisites	<p>All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the afore-mentioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. programme’s start date. may also apply.</p>
Admission Procedure	Qualification assessment, written exam, oral exam.
Examination topics	Epidemiology, Preventive Medicine, Internal Medicine, Geriatrics, Cardiology, Nursing Sciences.

<p>How to apply</p>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
<p>Documents to be annexed to the Application</p>	<ol style="list-style-type: none"> <li>1. CV</li> <li>2. Candidates holding a degree from an Italian University must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their bachelor's degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their master's degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> <li>• Self-certification of their bachelor's degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification of the exams so far taken in their master's degree course indicating marks obtained.</li> </ul> </li> <li>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</li> <li>5. Summary, max. 2 pages, of the candidate's Degree thesis.</li> <li>6. Additional qualifications – scientific publications – deemed appropriate for admission.</li> <li>7. A report illustrating a possible research project the candidate wishes to carry out within the Ph.D. applied for (we underline that the report presented by the candidate with his/her application shall not necessarily be the project carried out during the Ph.D. course if the candidate is admitted. In fact, the research project shall be defined and approved by the Ph.D.'s Board of Professors once the course begins).</li> </ol>
<p>Language(s)</p>	<p><b>Assessment of foreign language skills</b> ENGLISH language skills and competence shall be assessed during the oral exam</p> <p><b>Admission</b> The candidate may sit exams in ITALIAN or ENGLISH</p>
<p>Exam schedule</p>	<p><i>Qualification assessment:</i> July 29,2024, at 1:30 p.m.</p> <p><i>Written exam:</i> <b>July 30, 2024, at 09:00 a.m.</b> Classroom D4.8 of the Department of Life, Health and Environmental Sciences - Blocco 11 - Piazzale S. Tommasi, 1 - L'Aquila</p> <p><i>Oral exam:</i> <b>July 30, 2024, at 2:00 p.m.</b> Classroom D4.8 of the Department of Life, Health and Environmental Sciences - Blocco 11 - Piazzale S. Tommasi, 1 - L'Aquila</p>
<p>Assessment Criteria</p>	<p>The assessment procedures consist in three phases: qualification assessment, written exam and oral exam. The candidate's score shall be indicated out of 100 points attributed as follows:</p> <ol style="list-style-type: none"> <li>1. Qualification assessment: Max. 30 points as follows: <ol style="list-style-type: none"> <li>a. Degree mark: Up to 6 points</li> <li>b. Degree thesis: Up to 4 points</li> <li>c. CV: Up to 4 points</li> <li>d. Publications: Up to 4 points</li> <li>e. Other qualifications: Up to 2 points</li> <li>f. Research project: Up to 10 points</li> </ol> </li> <li>2. Written exam: Max. 40 points. The candidate has to write an assignment, chosen among titles proposed by the Committee, regarding scientific topics pertaining to the Ph.D. course Curricula. The minimum score is 20 points.</li> </ol>



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	<p>3. Oral exam: Max. 30 points.</p> <p>The oral exam aims at assessing the candidate's aptitude for scientific research, his/her experience within the research sector and general knowledge of topics and issues pertinent to the Ph.D. course. The oral exam will also include assessment of the applicant's English language skills in the scientific sector.</p>
<p>Title evaluation results publication</p>	<p>Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on Department website: <a href="http://mesva.univaq.it/">http://mesva.univaq.it/</a>.</p>
<p>Reserved Ph.D. positions not part of the selection procedure</p>	<p>Positions reserved for students selected within specific international mobility programs: n. 0</p> <p>Positions reserved for scholarship holders from foreign countries: <b>n. 2</b></p> <p>Positions covered by scholarship reserved for applicants having obtained a degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a degree abroad n. 0</p>





<b>Ph.D. Course in EXPERIMENTAL MEDICINE</b>	
Ordinary places	<b>13</b>
of which	
with full grant	<b>10</b>
without financial support	<b>3</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 8 grants - University of L'Aquila</li> <li>• 2 grants financed pursuant to Ministerial Decree 630/2024 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" - CUP E11I24000260001</li> </ul>
Tematiche borse DM 630/2024 M4C2 – Inv. 4.1 “Innovative doctorates that respond to the innovation needs of companies”	<p><b>n. 2 grants</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “Development of innovative methodologies aimed at psychological well-being and cognitive enhancement and addressed to users subjected to environmental, work and personal stressors” managed with Philmark Informatica S.p.A. - Roma (RM) – Referring Professor: <i>Prof. G. Curcio</i></li> <li>• “Design and identification of new molecules active against multi-drug resistant pathogens” – Referring Professor: <i>Prof. M. Perilli</i></li> </ul>
Duration	3 years
Curricula	<ul style="list-style-type: none"> <li>a) <i>Experimental and Clinical Medicine, and Endocrinology</i></li> <li>b) <i>Biotechnology and Biochemical Sciences</i></li> <li>c) <i>Clinical, Medical and Surgical Sciences</i></li> <li>d) <i>Basic and Clinical Neurosciences</i></li> </ul>
University Department Responsible for the Ph.D. Course	Department of Biotechnological and Applied Clinical Sciences
Ph.D. Course Website	<a href="https://discab.univaq.it/index.php?id=2841">https://discab.univaq.it/index.php?id=2841</a>
Ph.D. Course Coordinator	<i>Prof.ssa Mariagrazia PERILLI</i> <a href="mailto:mariagrazia.perilli@univaq.it">mariagrazia.perilli@univaq.it</a>
Admission Requirements	<p>All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the afore-mentioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. program’s start date, may also apply.</p>
Admission Procedure	Research project assessment, qualification assessment and oral exam.
Examination topics	The examination topics are related to the 4 curricula
How to apply	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
Documents to be annexed to the Application	<ul style="list-style-type: none"> <li>1. CV Europass</li> <li>2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their bachelor’s degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their master’s degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> </ul>

	<p>3. Candidates enrolled in an Italian Degree Course must include:</p> <ul style="list-style-type: none"> <li>• Self-certification of their bachelor's degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification of the exams so far taken in their master's degree course indicating marks obtained.</li> </ul> <p>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</p> <p>5. Summary, max. 2 pages, of the candidate's Degree thesis.</p> <p>6. Research project: each candidate has to write a report on the development of a possible doctoral research project, including a description of the state of the art, methodology, objectives and results and their relevance. It should be noted that the research project submitted by the candidate is assessed for the purposes of admission to the Ph.D.: course and that the proposed research topic is not binding for the training activity. If the candidate is admitted to the Ph.D. Course, the PhD research topic will be defined and approved by the Board of Professors of the relevant PhD program, after the start of the PhD activities.</p> <p>7. Any additional qualifications deemed appropriate for admission.</p> <p>8. Any scientific publications</p> <p>9. The candidate must indicate the name of two professors with their e-mail address. The referent will receive an e-mail with the instruction to write the recommendation letter directly online.</p>
<p>Language(s)</p>	<p><b>Assessment of foreign language skills</b> ENGLISH language skills and competence shall be assessed during the oral exam</p> <p><b>Admission</b> The candidate may sit exams in ITALIAN or ENGLISH</p>
<p>Exam schedule</p>	<p><i>Research project assessment:</i> July 29, 2024, at 10:00 a.m.</p> <p><i>Qualification assessment:</i> July 31, 2024, at 9:00 a.m.</p> <p><i>Oral exam:</i> <b>August 1, 2024, at 9:00 a.m.</b>, classroom C3.4, second floor, Edificio A.C. De Meis – Coppito – L'Aquila</p>
<p>Assessment Criteria</p>	<p>The assessment procedure consists of three phases: research project assessment qualifications assessment and oral exam. The candidate's score shall be expressed out of a total of 100 points, attributed as follows:</p> <ol style="list-style-type: none"> <li>1. <b><u>Research project assessment:</u></b> the Committee can attribute a maximum of <b>30 points</b>. The minimum score to be admitted to the qualification assessment and to the oral exam is 21/30. The scores will be attributed as follows:             <ol style="list-style-type: none"> <li>a. <i>Project originality:</i> max 15 points</li> <li>b. <i>congruence with the research topics of the Ph.D. program and with the topic, if any, on which the candidate has expressed preference:</i> max 10 points</li> <li>c. <i>methodological rigour and knowledge of the relevant scientific literature:</i> max 5 points</li> </ol> </li> <li>2. <b><u>Qualification Assessment:</u></b> max. <b>10 points</b>, attributed as follows:             <ol style="list-style-type: none"> <li>a. Degree mark and exams taken: up to 5 points</li> <li>b. Potential second master's degree: 0.5 points (max 1 point)</li> <li>c. Postgraduate specialization courses: 0.5 point (max 1 point)</li> <li>d. Postgraduate specialization school or Ph.D. title already awarded: 0.5 point (max 1 point)</li> <li>e. Scientific publications (with ISBN, SSN, ISMN o DOI): 0.5 point (max 2 points).</li> </ol> <p>The maximum total score awarded to titles and scientific publications cannot be more than 10 points. Higher scores will be considered equal to 10.</p> </li> <li>3. <b><u>Oral exam:</u></b> The maximum score is <b>60 points</b>, and the minimum score is 30/60. The oral exam focuses on the candidate's experience, motivation and aptitude for scientific research. The candidate will also discuss the research project. The oral exam will include assessment of English language skills.</li> </ol>



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Title evaluation results publication	Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on Department website: <a href="https://discab.univaq.it">https://discab.univaq.it</a>
Reserved Ph.D. positions not part of the selection procedure (assigned through other procedures)	Positions reserved for students selected within specific international mobility programs: n. 0 Positions reserved for scholarship holders from foreign countries: n. 0 Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. 0 Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. 0

<b>Ph.D. Course in HEALTH AND ENVIRONMENTAL SCIENCES</b>	
Ordinary places	<b>9</b>
of which	
with full grant	<b>7</b>
without financial support	<b>2</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 5 grants - University of L'Aquila</li> <li>• 2 grants financed pursuant to Ministerial Decree 630/2024 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" – CUP E11I24000270001</li> </ul>
Grants subjects DM 630/2024 M4C2 – Inv. 3.3 “Innovative doctorates that respond to the innovation needs of companies”	<p><b>2 grants</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• “<i>Amphibians and microbiota: investigation of bacterial communities and their ecological importance</i>”, in agreement with EcoNat S.r.l. - L'Aquila - Referring Professor: M. Pellegrini</li> <li>• “<i>Amphibians, habitats and humans: analysis of the effect of pollutants on aquatic ecosystems</i>”, in agreement with EcoNat S.r.l. - L'Aquila - Referring Professor: E. Lunghi</li> </ul>
Duration	3 years
Curricula	<p><i>a) Translational Medicine</i>  <i>b) Diagnostic, Molecular and Ultrastructural Imaging</i>  <i>c) Pathophysiology of the stomatognathic system</i>  <i>d) Psychosociorehabilitative Neuroscience</i>  <i>e) Environmental Sciences</i></p>
University Department Responsible for the Ph.D. Course	Department of Life Health and Environmental Sciences
Ph.D. Course Website	<a href="http://mesva.univaq.it/?q=node/6741">http://mesva.univaq.it/?q=node/6741</a>
Ph.D. Course Coordinator	<p><i>Prof.ssa Maria Grazia CIFONE</i>  <a href="mailto:mariagrazia.cifone@univaq.it">mariagrazia.cifone@univaq.it</a></p>
Admission Requirements	<p>All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the aforementioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. programme's start date may also apply.</p>
Admission Procedure	Qualification assessment, Written exam, Oral exam.
Examination topics	<ul style="list-style-type: none"> <li>- Curriculum “<b>Translational Medicine</b>” The written test and oral test will focus on general and translating topics in the following interdisciplinary themes: Regenerative Medicine, Immuno-Mediated Chronic Inflammatory immuno-mediated Diseases, Molecular basis of tumor pathology, Microbiota in Health and Disease.</li> <li>- Curriculum “<b>Diagnostic, Molecular and Ultrastructural Imaging</b>” The written test and the oral exam will focus on general topics in the following interdisciplinary topics: Molecular, preclinical, clinical and ultrastructural imaging and microscopy techniques.</li> <li>- Curriculum “<b>Pathophysiology of the stomatognathic system</b>” The written test and oral test will focus on general topics related to the following interdisciplinary themes: Interactions between oral and systemic health in relation to</li> </ul>

	<p>the various apparatuses, Temporo-Mandibolary Disorders, Impact of rehabilitative therapies on general well-being and quality of life of the patient, Occlusion as a local condition of a general pattern: interactions, odontoiatric support to OSAS (Obstructive Sleep Apnea Syndromes).</p> <p>- <b>Curriculum “Psychosociorehabilitative Neuroscience”</b> The written test and the oral exam will focus on general topics related to the following interdisciplinary themes: The evolution of the concept of disability according to the World Health Organization, ICF, International Classification of Functioning, Disability, and Health, Biopsychosocial determinants of disability, Multidimensional assessment of disability, Rehabilitation models.</p> <p>- <b>Curriculum “Environmental Sciences”</b> Written and oral exams will focus on topics of general relevance concerning concepts and methods of analysis and protection of the environment with an interdisciplinary perspective, with particular reference to Botany, Zoology and Ecology.</p>
<p>How to apply</p>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univag/dottorato40">https://pica.cineca.it/univag/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
<p>Documents to be annexed to the Application</p>	<ol style="list-style-type: none"> <li>1. CV</li> <li>2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> <li>• Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained.</li> </ul> </li> <li>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</li> <li>5. Summary, max. 2 pages, of the candidate’s master’s degree thesis.</li> <li>6. Research project: A report illustrating a possible research project the candidate wishes to carry out within the Ph.D. applied for <ul style="list-style-type: none"> <li>• Brief summary of the project in Italian and English (maximum 500 characters including spaces).</li> <li>• Maximum 5 keywords.</li> <li>• Detailed description of the project (maximum 10000 characters including spaces). Background, purpose, methods, expected results, bibliography.</li> </ul> <p>We underline that the research project presented by the candidate with his/her application shall not necessarily be the actual project carried out during the Ph.D. course if the candidate is admitted.</p> </li> <li>7. A complete list and a copy of the candidate’s publications (years 2014-2024).</li> <li>8. Any additional qualifications deemed useful for the assessment, including a list of overall scientific publications.</li> </ol>
<p>Language(s)</p>	<p><b>Assessment of foreign language skills</b> ENGLISH language skills and competence shall be assessed during the oral exam.</p> <p><b>Admission</b> The candidate may sit exams in ITALIAN or ENGLISH</p>
<p>Exam Schedule</p>	<p><b>Qualification assessment:</b> July 29, 2024, at 10:00 a.m.</p>



	<p><b>Written exam: July 31, 2024, at 10:00 a.m.</b> at the Department of Life, Health and Environmental Sciences – Classroom 4.8, Building “Paride Stefanini”- Piazzale S. Tommasi, 1 - L’Aquila</p> <p><b>Oral exam: August 1, 2024, at 09:30 a.m.</b> at the Department of Life, Health and Environmental Sciences – Classroom 4.8, Building “Paride Stefanini”- Piazzale S. Tommasi, 1 - L’Aquila</p>
<p>Assessment Criteria</p>	<p>The examination procedure consists in three phases: qualification assessment, written exam and an oral exam. Final score shall be indicated out of a total of 100 points attributed as follows:</p> <ol style="list-style-type: none"> <li><b>Qualification assessment:</b> Max. 30 points attributed as follows: <ul style="list-style-type: none"> <li>- Degree mark: Up to 5 points</li> <li>- Thesis pertaining to the Ph.D. curricula applied for: Up to 5 points</li> <li>- Scientific publications: Up to 5 points</li> <li>- Research project: up to 10 points</li> <li>- Additional qualifications: Up to 5 points</li> </ul> </li> <li><b>Written exam:</b> max. 30 points, with a 18/30 passing mark Written assignment chosen by the candidate among three titles proposed by the examination commission on scientific topics pertaining to the Ph.D. course curriculum.</li> <li><b>Oral exam:</b> max. 40 points The oral exam aims at assessing the applicant’s aptitude for scientific research, his/her experience within the research sector and general knowledge of topics and issues pertinent to the Ph.D. course curriculum chosen by the candidate. The oral exam will also include assessment of the candidate’s English language skills in the scientific field.</li> </ol>
<p>Title evaluation results publication</p>	<p>Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250&amp;lang_s=it">https://www.univaq.it/section.php?id=2250&amp;lang_s=it</a> and on Department website: <a href="http://mesva.univaq.it/">http://mesva.univaq.it/</a></p>
<p>Reserved Ph.D. positions not part of the selection procedure (assignment through appropriate selection)</p>	<p>Positions reserved for students selected within specific international mobility programs: n.0</p> <p>Positions reserved for scholarship holders from foreign countries: n. 2</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n.0</p>



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<b>Ph.D. Course in PHYSICAL AND CHEMICAL SCIENCES</b>	
Ordinary Places	<b>9</b>
Of which	
with full grant	<b>6</b>
Without financial support	<b>3</b>
Grant/Fellowship Funding source	<ul style="list-style-type: none"> <li>• 5 grants – University of L'Aquila</li> <li>• 1 grants financed pursuant to Ministerial Decree 630/2024 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" – CUP E11I24000280001</li> </ul>
Grants subjects DM 630/2024 M4C2 – Inv. 3.3 "Innovative doctorates that respond to the innovation needs of companies"	<p><b>1 grant</b> aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> <li>• <i>"Local-scale, market-oriented, climate services that provide products useful for planning and for operations by both public and private entities in the field of sustainable development and opposition to climate change"</i> managed with HIMET S.r.l. - L'Aquila. Referring Professor: Prof. G. Curci</li> </ul>
Duration	3 years
Curricula	<ul style="list-style-type: none"> <li>• Chemical Sciences</li> <li>• Physical Sciences</li> </ul>
University Department Responsible for the Ph.D Course	Department of Physical and Chemical Sciences
Ph.D Course Website	<a href="https://dsfc.univaq.it/it/la-ricerca/dottorato.html">https://dsfc.univaq.it/it/la-ricerca/dottorato.html</a>
Ph.D Course Coordinator	<i>Prof. Massimiliano ASCHI</i> <a href="mailto:massimiliano.aschi@univaq.it">massimiliano.aschi@univaq.it</a>
Admission Requirements	<p>All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the aforementioned qualifications.</p> <p>Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. program's start date may also apply.</p>
Admission Procedure	<p>Qualification assessment and oral exam. Foreign students (or Italians living abroad) may sit the oral exam in English and they may request to sit the exam via web. Candidates must request this option when they present their application and provide valid contact details. Candidates must have valid photo-ID to be shown during the oral exam.</p>
Examination topics	<p>General knowledge of chemistry or physics according to the chosen Curriculum (Physical Sciences or Chemical Sciences).</p>
How to apply	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/univaq/dottorato40">https://pica.cineca.it/univaq/dottorato40</a>.</p> <p>The documents must be attached in pdf format.</p> <p>The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.</p>
Documents to be annexed to the Application	<ol style="list-style-type: none"> <li>1. CV</li> <li>2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> <li>• Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> <li>• Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained.</li> </ul> </li> <li>3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> <li>• Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;</li> </ul> </li> </ol>



	<ul style="list-style-type: none"> <li>• Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained.</li> </ul> <ol style="list-style-type: none"> <li>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</li> <li>5. The candidate can indicate the name of one or two professors with their e-mail address. The referees will receive an e-mail with the instruction to write the recommendation letter directly online.</li> <li>6. Summary, max. 2 pages, of the candidate's Degree thesis.</li> <li>7. Research Project (Chemistry Curriculum only).</li> </ol> <p>Any additional qualifications deemed appropriate for admission.</p>
Language(s)	<p><b>Assessment of foreign language skills</b> ENGLISH language skills and competence shall be assessed during the oral exam.</p> <p><b>Admission</b> The candidate may sit exams in ENGLISH</p>
Exam schedule	<p><b>Qualification assessment: July 29, 2024 at 11:00 a.m.</b></p> <p><b>Oral exam: July 31, 2024 at 09:30</b> at the Department of Physical and Chemical Sciences – Classroom “Signorelli” - Coppito – L'Aquila</p>
Assessment Criteria	<p>The examination procedure consists of two phases: qualification assessment and an oral exam. The candidate's scores will be indicated out of a total of 100 points attributed as follows:</p> <ol style="list-style-type: none"> <li>1. <i>Qualification assessment</i>: assessment of the candidate's CV, letters of recommendation, publications and other qualifications. The minimum score required for admission to sit the oral exam is 30, the maximum score is 50 points.</li> <li>2. <i>Oral exam</i>: the aim is to evaluate the candidate's aptitude and motivation for scientific research and his/her general knowledge. The oral exam consists of questions related to fundamental knowledge of chemical and physical (based on the chosen curriculum). Only for the Chemical Sciences curriculum, if the candidate wants, the oral exam can also take inspiration from the research project presented by the candidate (this will not be an additional element assessed). The test also includes assessment of the candidate's English language skills. Foreign students may sit the oral exam in English. The minimum score needed to pass the oral exam is 30 points; instead, the maximum score is 50 points.</li> </ol>
Title evaluation results publication	<p>Title evaluation results shall be published on the University website <a href="https://www.univaq.it/section.php?id=2250">https://www.univaq.it/section.php?id=2250</a> and on Department website: <a href="https://dsfc.univaq.it">https://dsfc.univaq.it</a></p>
Additional Reserved Ph.D. positions not part of the selection procedure	<p>Positions reserved for students selected within specific international mobility programs: n. 0</p> <p>Positions reserved for scholarship holders from foreign countries: n. 0</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. 0</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. 0</p>





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Area Ricerca e Trasferimento Tecnologico  
Settore Dottorati, Assegni e Borse di Ricerca

### *Technical guidelines for the submission of the application form for Ph.D. Courses XL cycle*

#### **ONLINE APPLICATION OPENS UNTIL JULY 22, 2024 AT 13.00 CEST**

Online form available at: <https://pica.cineca.it/univaq/dottorato40>

1. The application form must only be submitted online. No hard copy of the application must be sent by post.
2. Before filling in the application form, please read carefully the selection announcement, in particular the chosen PhD course table in order to verify the eligibility criteria and the documents to be submitted.
3. WATCH OUT: ALL DOCUMENTS MUST BE UPLOADED IN PDF FORMAT AND, IN SOME CASES, THEY MUST BE PRINTED, SIGNED AND UPLOADED. WE ADVISE APPLICANTS TO USE A PC CONNECTED WITH A PRINTER AND A SCANNER.
4. It is possible to fill in the application form by logging in at different times and saving the data. In order to access the application form that has been partly completed you must click on Modify to complete it.
5. Further information may be requested through HELP POINT ONLINE, accessible from the website <https://help.univaq.it/>
6. For technical problems contact support via the link at the bottom of the page <https://pica.cineca.it/univaq>.
7. Applicants who want to apply for more than one Ph.D. course must submit as many applications as the chosen courses.
8. Applicants with foreign qualifications that have not been legally recognized as equivalent to Italian degrees must read art. 4.2 of the selection announcement and upload the required documents in the relevant section of the online application.
9. After the application has been correctly filled in and submitted, applicants will receive an email with the confirmation of the submission.

#### **1. DATA REGISTRATION**

To start the registration, go to the website <https://pica.cineca.it/univaq/dottorato40>.

Access can be done via SPID. In the absence of SPID, at the first access applicants need to register by clicking on 'Register' and fill in the required data. If applicants already have LOGINMIUR credentials, they don't need to register again. They must access with their LOGINMIUR username and password in the relevant field LOGINMIUR.

In case you forgot username and password, click on 'Forgot your credentials?'.

After completing the data, click on 'New Registration'. Applicants will receive an email with the data to confirm their registration. In case you don't receive or cannot read the email, contact support via the link at the bottom of the page <https://pica.cineca.it/univaq>.

## 2. APPLICATION FORM ACCESS

Once registered it is possible to access the website <https://pica.cineca.it/univaq/dottorato40> and login with username and password to fill in the application form by clicking on 'New Submission'. Before filling in the application form, applicants can modify their personal data by clicking on the top right button (User Profile) and select what to modify.

The first section to be filled in is "PHD COURSE": the applicant must select the Ph.D. course and one of the curricula (where foreseen) and declare the position he/she is applying for (ordinary position or position reserved to candidates with scholarships funded by institution abroad or position without scholarship reserved to candidates holding a qualification acquired abroad).

In the case of an ordinary seat, it is possible to express a preference for themed scholarships, up to a maximum of three, by opening the appropriate menu.

Candidates who compete for places reserved for scholarship holders from foreign countries, must indicate in the application for admission who finances the scholarship and attach the documentation relating to the grant.

After that, if foreseen in the announcement of the chosen Ph.D. course, the candidate is allowed to sit the oral exam abroad by skype or similar technologies. For that he/she must communicate a skype address or other links.

**WATCH OUT:** after completing each section of the form, the applicant must click on the button "SAVE AND PROCEED". Only if the data have been correctly filled in, the applicant can go to the next section. Otherwise, error messages will display and will be compulsory to correct the data.

The section named "DECLARATIONS" displays a list of declarations concerning the veracity of data inserted and the treatment of the personal data inserted in the application form.

The third section to be filled is "PERSONAL DATA". This section is partially filled by transferring data from the registration procedure thus the candidate must complete the missing items. In case of mistakes in personal data, applicants can modify them by clicking on the top right button (User Profile).

In the following section "ADMISSION REQUIREMENTS" applicants must select one out of the four options proposed. After that applicants must specify the qualification awarded or to be awarded by the completion date of the enrollment, and in any case no later than the start date of the course (November 1<sup>st</sup>, 2024).

In the following section "FURTHER DECLARATIONS" the applicants must compulsorily declare the level of knowledge of English language and if they are in situations preventing the receiving of the scholarship and/or of special needs.

In the section named "ATTACHMENTS" the applicant can upload the identity card (or passport) and all the qualifications and certifications required in order to participate to the selection of the chosen Ph.D. course. The references letters cannot be uploaded in this section: for these letters the applicant must follow a different procedures written above.

The applicant can write a self-declaration about the degree obtained and about all the exams passed. The self-declaration concerning the degrees obtained, can be written in a simple paper according to the scheme available below, or downloading the concerned form if it is available on the website of the home University.

The applicant must read carefully the list of documents required for the Ph.D. course chosen, in order to speed up the procedure.

**In this section you must upload the documents requested for the recognition of the foreign academic degree (art. 4.2 of the selection announcement - Admission of applicants with foreign (non-Italian) qualifications).** The files must be in pdf format and readable. For each file a brief description is needed.

Now, the candidate who has completed the application must return to the "Dashboard" and perform "Verify"



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If the system detects errors it is necessary to edit the application and proceed with "Verify" again. If the system does not indicate any errors, the candidate returns again to the "Dashboard" and selecting "Payment" makes the payment of the contribution of € 10.00 through "Pago PA" (Note: only candidates residing abroad, who do not have an Italian bank account, can make the payment by bank transfer).

After completing this section applicants will be redirected to the dashboard where they can see the draft of their application form. By pressing the bottom "Sign and submit" the process is finalised. By clicking on "Sign" bottom the process is finalise and the PDF file of application is generated.

**The application must be signed. The absence of the signature, or of the handwritten signature, implicates the exclusion from public competition.**

There are 3 methodologies to sign it and the candidate must select one of them and read carefully they directions.

According to article 5 of the call the possible methodologies are the following:

- By digital signature using smart card, USB token or remote signature which allow the owner to sign general documents by means of a signature software or a Remote Signature web portal made available by the Auditor. Those who have a Digital Signature smart card or USB token shall verify that they are compatible with the Digital Signature system integrated in the system server. If so, the owner may sign the application directly in the system server (e.g. ConFirma);

- Those who do not have compatible digital signature devices and the Remote Digital Signature Owners who may access a web portal for signing general documents shall save in their own PC the .pdf file generated by the system and, without modifying it, digitally sign it in CADES format. A .p7m file will be generated, which shall be saved and uploaded again in the system. Any editing to the file before signing with the Digital Signature shall interfere with the automatic check of correspondence between the content of such a document and the original, and this will bring to the application exclusion;

- If none of the above-mentioned options can be used candidates shall save in their own PC the .pdf file generated by the system and, without modifying it, print and sign it with full original signature in the last page of the printed document. A scanned .pdf copy of such a document shall be produced and the file thus obtained shall be uploaded to the system.

In case the access to the platform is via SPID, it is not necessary to sign the application with one of the aforementioned methods.

In case the applicant decides to sign the PDF file he/she must verify that the file that is going to be uploaded is complete because the system accepts only one PDF file.

After the submission applicants will receive an email with the confirmation of the submission. Applicants will always be able to login to their account, personal data and application form.

### 3. REFERENCE LETTERS

Some Ph.D. courses require "references letters". In this case the applicant must indicate the names and addresses of two referees at maximum. The applicant must write on the form the official email address of the referee. **A private email address is not allowed.**

The referee will be informed of the candidates requirement and receive a reference letter form that he/she must submit by **July 23, 2024 at 1 o'clock p.m. CEST.**

We advise applicants to inform referees that they will receive the request. When the referee fills in the letter and submits it, the applicant will receive an email specifying that the letter has been upload. Applicants, however, can always check the status of the request. Reference letters uploaded by applicants or sent by the referent directly to the university, will not be taken into consideration.



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If applicants wish to change the referee they must contact support via the link at the bottom of the page <https://pica.cineca.it/univaq>.

#### 4. APPLICATION FORM MODIFICATION OR WITHDRAWAL

Modifications of the application form after the pdf has been created are possible:

- If they have submitted the application form and received the email of confirmation applicants cannot modify the application form but they will be able to withdraw it following the relevant procedure available on the dashboard and submit a new application form.
- If they have created the pdf file but they have not completed the submission (the pdf file has not been uploaded yet and so they haven't received the email of confirmation) then they must contact support via the link at the bottom of the page <https://pica.cineca.it/univaq> and ask to have the application re-opened. In the email they must specify the reason of their request, the ID of their application form and attach copy of their identity document.



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**Self-Declaration in substitution of certification  
(art. 46 D.P.R – 28<sup>th</sup> December 2000, n.445)**

and/or

**Self-Declaration in substitution of attested affidavit  
(art. 47 D.P.R 28<sup>th</sup> December, 2000 n.445)**

The undersigned \_\_\_\_\_ born in (place of birth) \_\_\_\_\_ on (date of birth) \_\_\_\_\_

residing in (city/State/Country) \_\_\_\_\_ Postal code \_\_\_\_\_  
at (address) \_\_\_\_\_

**DECLARES:**

1) \_\_\_\_\_ in compliance to art(s). 46,47 and 38, D.P.R 28/12/2000, n.445 that he/she has been conferred the following Degree:

Bachelor-level Degree in (title) \_\_\_\_\_ at (name of University or College issuing the Degree) \_\_\_\_\_ on (date issued) \_\_\_\_\_, mark \_\_\_\_\_

and that he/she passed the following exams:

EXAM (title of the exam/course)	MARK	DATE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2) \_\_\_\_\_ in compliance to art(s). 46,47 and 38, D.P.R 28/12/2000, n.445 that he/she will be confer the following Degree:

Master-level Degree in (title) \_\_\_\_\_ at (name of University or College issuing the Degree) \_\_\_\_\_ on (date issued) \_\_\_\_\_,

and that he/she passed at today the following exams:

EXAM (title of the exam/course)	MARK	DATE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____



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The undersigned declares that he/she is aware of the sanctions applied in case of false statements established in art.76 D.P.R. 28/12/2014, n.445 and of the consequent loss of any benefits obtained by making false statements as established in art. 75 D.P.R. 28/12/2014, n.445.

**The undersigned, under penalty of nullity of the application, shall enclose a photocopy of a valid ID.**

Date, \_\_\_\_\_

\_\_\_\_\_  
(Applicant's signature)