



Ph.D. Course in CIVIL, CONSTRUCTION-ARCHITECTURAL AND ENVIRONMENTAL ENGINEERING	
Ordinary places	23
of which	
with grant	18
without financial support	5
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 4 grants – University of L'Aquila • 4 grants financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Doctorates for the Public Administration" • 1 grant funded pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Cultural Heritage" • 7 grants financed pursuant to Ministerial Decree 352/2022 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" • 2 grants financed pursuant to DD n. 3264/2021 of the Directorate General of the MUR, • Mission 4 "Education and Research" - Component 2 "From research to business", Investment 3.1 of the PNRR - "Fund for the creation of an integrated system of research and innovation infrastructures"
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 "PhD for Public Administration"	<p>4 grants aimed at carrying out research concerning:</p> <p>PA-1 <i>"Smart and sustainable urban infrastructures in the historic villages of the 2009 earthquake Crater: models and low-impact solutions for technological innovation in the implementation, maintenance, and management of networks and services in historic centers"</i> managed with USRC – Ufficio Speciale per la Ricostruzione dei Comuni del Cratere;</p> <p>PA-2 <i>"Slow mobility in the 2009 earthquake Crater: public policies and intervention strategies for the recovery, enhancement, and management of historic paths for the integrated development of local heritage and resources"</i> managed with USRC – Ufficio Speciale per la Ricostruzione dei Comuni del Cratere;</p> <p>PA-3 <i>"Indicator engineering as Public Authorities support. Settlement evolution and ecosystem potential related to the heritage of civic uses in the Abruzzo Region"</i> managed with Regione Abruzzo – Dipartimento Agricoltura</p> <p>PA-4 <i>"Digital Twin for knowledge and planning for disaster risk"</i> managed with Regione Abruzzo – Agenzia Regionale di Protezione Civile</p>
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 "Cultural Heritage"	<p>1 grant aimed at carrying out research concerning:</p> <p>PC-1 <i>"Architectural, urban, and landscape heritage of Abruzzo between the 20th and 21st centuries: photographic and iconographic digitization and cataloging"</i></p>
Grants subjects DM 352/2022 M4C2 – Inv. 3.3 "Innovative doctorates that respond to the innovation needs of companies"	<p>7 grants aimed at carrying out research concerning:</p> <p>D.INN-1 <i>"Sustainable optimization of maritime works within the frame climate change adaptation strategies"</i> managed with ARAP (Azienda Regionale Attività Produttive)</p> <p>D.INN-2 <i>"Efficient structural models for monitoring of civil structures"</i> managed with DIMENSIONE SOLARE S.r.l.</p> <p>D.INN-3 <i>"Digitization of the construction process: from the construction site to sustainable construction certification protocols (GBC protocols)"</i> managed with UNIREST S.r.l.</p> <p>D.INN-4 <i>"Innovative photovoltaic modules and integration with the building envelope"</i> managed with SOLIS S.p.A.</p>



	<p>D.INN-5 “Circular economy in energy efficiency of building technology system” managed with SOLIS S.p.A.</p> <p>D.INN-6 “Smart logistics consistent with the National Smart Specialization Strategy” managed with SOLIS S.p.A.</p> <p>D.INN-7 “Monitoring system for renewable energy production and data acquisition system” managed with SOLIS S.p.A.</p>
Grants subjects DD 3264/2021 M4C2 – Inv. 3.1 “Fund for the creation of an integrated system of research and innovation infrastructures”	<p>2 grants aimed at carrying out research concerning:</p> <p>a. “Criteria and guidelines for the identification of thresholds and regulatory control of the phenomena of over-urbanization and settlement sprawl”</p> <p>b. “Analysis of urban development patterns through indicator engineering”</p>
Duration	3 years
Curricula	<p>a) Civil and Environmental Engineering</p> <p>b) Construction-Architectural Engineering</p>
University Department Responsible for the Ph.D. Course	Department of Civil, Construction-Architectural and Environmental Engineering
Ph.D. Course Website	https://diceaa.univaq.it/index.php?id=phdiceaa
Ph.D. Course Coordinator	<p>Prof. Marcello Di Risio</p> <p>marcello.dirisio@univaq.it</p>
Admission Pre-requisites	<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	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>Curriculum a): Civil and Environmental Engineering: Engineering Geology Hydraulic Structures, Maritime Engineering and Hydrology Transportation Surveying and Mapping Geotechnics Structural mechanics Structural engineering</p> <p>Curriculum b): Construction-Architectural Engineering: 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>
How to apply	<p>The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38.</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"> 1. CV 2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. 3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning the exams so far taken in their Master-level Degree course indicating marks obtained. 4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call. A declaration of the time required for obtaining the qualifications is also required. 5. A summary of their Master Degree thesis, in A3 format, max. 10 pages of which at least three written and the rest in graph/table format, if the thesis is in project format. 6. A description of the research project the candidate proposes to carry out within the Ph.D. course he/she is applying for in no more than 3000 words. 7. Publications. 8. Additional qualifications deemed appropriate for admission.
<p>Language(s)</p>	<p>Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam</p> <p>Admission The candidate may sit the exams in ITALIAN or ENGLISH</p>
<p>Exam Schedules</p>	<p><i>Qualification assessment: 1st September, 2022</i> - Department of Civil, Construction-Architectural and Environmental Engineering – Montelucio di Roio – L'Aquila</p> <p><i>Oral exam: 5th September, 2022</i> at 10:00 a.m. - Department of Civil, Construction-Architectural and Environmental Engineering – Montelucio di Roio – L'Aquila</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"> 1. <i>Qualification assessment</i>: Maximum 40 points The Commission shall assess the qualifications indicated by the candidate in his/her application – up to a maximum of 40 points, attributed as follows: <ol style="list-style-type: none"> a. Degree mark or evaluation of the marks obtained in the candidates' academic career (for candidates not graduated yet): Up to 16 points attributed as follows: <ul style="list-style-type: none"> • 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). • 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 passing the exams (non-graduates: points 0 for 99 and one point from 99 onwards). • 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). • In the case of a master's degree not awarded: up to 12 points awarded on the basis of the weighted average of the first level grade (weight 3) and the weighted average of the marks obtained for passing the master's degree exams (weight 2).



	<ul style="list-style-type: none"> • 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, etc. up to 0 points). <p>b. Thesis, research projects and publications: maximum 20 points as follows:</p> <ul style="list-style-type: none"> • Thesis summary: max. 3 points • Research Project: max. 14 points • Publications: max.3 points <p>c. For additional qualifications indicated: max. 4 points.</p> <p>3. <i>Oral exam</i>: max. 60 points</p> <p>The oral exam consists in an in-depth discussion (maximum duration 8 minutes). of the qualifications indicated by the candidate, including his/her research project and on topics of general interest pertaining to the Ph.D. course applied for. Assessment of the candidate's knowledge and understanding of a English language is part of the oral exam.</p>
Title evaluation results publication	Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2163 and on Department website: https://diceaa.univaq.it/index.php?id=phdiceaa
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. ____</p> <p>Positions reserved for scholarship holders from foreign countries: n. ____</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p>



Ph.D. Course in INFORMATION AND COMMUNICATION TECHNOLOGIES – ICT	
Ordinary places	25
of which	
with full grant	19
without financial support	6
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 6 grants - University of L'Aquila • 3 grants financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Doctorates for the Public Administration" • 1 grant financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR – "PNRR Research" • 8 grants financed pursuant to Ministerial Decree 352/2022 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" • 1 grant financed by LEONARDO S.p.A. on the research topic "<i>Miniaturization of highperformance radiocommunication systems for UAV/UAM applications</i>"
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 "PhD for Public Administration"	<p>3 grants aimed at carrying out research concerning:</p> <p>PA-1 "<i>Regional Digital Twin</i>" managed with Regione Abruzzo – Agenzia Regionale di Protezione Civile (Scientific coordinator: Prof. A. Di Marco)</p> <p>PA-2 "<i>Reality-Virtuality continuum: study of a "phygital" platform for the physical-digital visit of a cultural asset</i>" managed with Gallerie degli Uffizi (Scientific coordinator: Prof. H. Muccini)</p> <p>PA-3 "<i>Smart villages: technological and digital innovation of networks and services for citizens and economic operators for the intelligent management of resources and the sustainable development of the territorial capital of the 2009 seismic cluster</i>" managed with USRC – Ufficio Speciale per la Ricostruzione dei Comuni del Cratere (Scientific coordinator: Prof. F. Graziosi)</p>
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 "PNRR Research"	<p>1 grant aimed at carrying out research concerning:</p> <p>PNRR-1 "<i>Spatial multiplexing optical communications</i>" (Prof. C. Antonelli)</p>
Grants subjects DM 352/2022 M4C2 – Inv. 3.3 "Innovative doctorates that respond to the innovation needs of companies"	<p>8 grants aimed at carrying out research concerning:</p> <p>D.INN-1 "<i>Study of architectures and protocols for vehicular networks in intelligent and cooperative transport systems</i>" managed with Consorzio Università Industria RADIOLABS (Scientific coordinator: Prof. P. Di Marco)</p> <p>D.INN-2 "<i>AI Ops for software performance engineering</i>" managed with MICRON SEMICONDUCTOR ITALIA Srl (Scientific coordinator: Prof. V. Cortellessa)</p> <p>D.INN-3 "<i>Hydrogen powered fuel cells for road vehicles, agricultural tractors, construction machinery and boats</i>" managed with PURE POWER CONTROL Srl (Scientific coordinator: Prof. M.D. Di Benedetto)</p> <p>D.INN-4 "<i>Advanced optimization models and methods for electrical mobility</i>" managed with ATLANTE S.r.l. (Scientific coordinator: Prof. C. Arbib)</p> <p>D.INN-5 "<i>Cyber Security for Aerospace</i>" managed with LEONARDO S.p.A. (Scientific coordinator: Prof. F. Graziosi)</p>



	<p>D.INN-6 “<i>Cyber Security for Automotive</i>” managed with LEONARDO S.p.A. (Scientific coordinator: Prof. F. Graziosi)</p> <p>D.INN-7 “<i>Architetture Open RAN</i>” managed with LEONARDO S.p.A. (Scientific coordinator: Prof. F. Graziosi)</p> <p>D.INN-8 “<i>Cloud Security</i>” managed with LEONARDO S.p.A. (Scientific coordinator: Prof. F. Graziosi)</p>
Duration	3 years
Curricula	<p>a) System Engineering, telecommunications and HW/SW Platforms</p> <p>b) Emerging computing models: algorithms, software architectures and intelligent systems</p>
University Department Responsible for the Ph.D. Course	Department of Information Engineering, Computer Science and Mathematics
Ph.D. Course Website	http://phdict.disim.univaq.it/
Ph.D. Course Coordinator	<p><i>Prof. Vittorio Cortellessa</i></p> <p>vittorio.cortellessa@univaq.it</p>
Admission Pre-requisites	<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	<p>Qualification assessment and oral exam.</p> <p>Candidates take the oral exam via web (Skype and other). In the application form, the candidate must indicate a valid contact address. The testing commission will certify the identity of the candidate, to this end the candidate shall be required to show a valid identification document with recent photo, during the oral exam. Foreign 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: https://pica.cineca.it/univaq/dottorato38.</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"> CV Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained.



	<p>4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.</p> <p>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 on line.</p> <p>6. Summary, max.2 pages (font at least 10), of the candidate's Degree thesis.</p> <p>7. Summary, max. 2 pages (font size at least 10), of the research project the candidate intends on carrying out if he/she is admitted into the Ph.D. Course.</p> <p>8. Any publications and any research project which the candidate participated, if considered useful for the evaluation.</p> <p>9. Other qualifications deemed appropriate for evaluation.</p>
Language(s)	<p>Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam</p> <p>Admission The candidate may sit the exam in ITALIAN or ENGLISH</p>
Exam schedule	<p>Qualification assessment: 2th September, 2022 at 10:00 a.m.</p> <p>Oral Exam: 7th September, 2022 at 10:00 a.m.. Candidates take the oral exam via web</p>
Assessment Criteria	<p>The assessment procedure consists in two phases: qualification assessment and an oral exam. Scores are indicated out of a total of 100 points, assigned as follows:</p> <p>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.</p> <p>2. Oral exam: Max. 50/100, the oral exam consists in an in depth discussion and presentation of the candidate's Degree thesis and research project he/she intends on carrying out within the Ph.D. course applied for. The aim is to evaluate the candidate's aptitude and motivation for research. The exam includes assessment of the candidate's English language skills. Applicants may sit the oral exam in English.</p>
Title evaluation results publication	<p>Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2163 and on Department website: http://www.disim.univaq.it/.</p>
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. ____</p> <p>Positions reserved for scholarship holders from foreign countries: n. ____</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p>



Ph.D. Course in INDUSTRIAL AND INFORMATION ENGINEERING AND ECONOMICS	
Ordinary places	27
of which	
with grant	21
without financial support	6
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 9 grants – University of L'Aquila • 4 grants financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Doctorates for the Public Administration" • 2 grants financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR – "PNRR Research" • 4 grants financed pursuant to Ministerial Decree 352/2022 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" • 1 grant financed by HUAWEI TECHNOLOGIES Italia S.r.l on the research topic "<i>Simulation and statistical analysis methods for signal and power supply integrity in high bit-rate electronic circuits</i>" • 1 grant financed by Swiss National Science Foundation (SNSF) on the research topic "<i>Multi-objective Optimization of Wide-band Gap-based Power Electronic System</i>"
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 "PhD for Public Administration"	<p>4 grants aimed at carrying out research concerning:</p> <p>PA-1 "<i>The health organization after the pandemic period</i>" managed with ASL1 Abruzzo (2 grants)</p> <p>PA-2 "<i>Simplifications and quality of public services</i>" managed with Comune dell'Aquila (2 grants)</p>
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 "PNRR Research"	<p>2 grants aimed at carrying out research concerning:</p> <p>PNRR-1 "<i>Components in internal combustion engines aimed at reducing CO2 emissions</i>"</p> <p>PNRR-2 "<i>Technological innovation and quality in extra-luxury automotive</i>"</p>
Grants subjects DM 352/2022 M4C2 – Inv. 3.3 "Innovative doctorates that respond to the innovation needs of companies"	<p>4 grants aimed at carrying out research concerning:</p> <p>D.INN-1 "<i>Development of advanced technologies for the recovery of ethanol from wastewater deriving from human plasma production processes</i>" managed with TAKEDA MANUFACTURING S.p.A.</p> <p>D.INN-2 "<i>HW/FW circuits and systems for the monitoring of industrial systems</i>" managed with TECHNOLOGY SERVICE S.r.l.</p> <p>D.INN-3 "<i>Development and optimization of a spiral technology hydraulic hose for high pressures</i>" managed with I.M.M. HYDRAULICS S.p.A.</p> <p>D.INN-4 "<i>Development of hydrogen production systems from organic wastes of 1-10 MW as input wastes</i>" managed with ENERECO S.p.A.</p>
Duration	3 years
Curricula	<p>a) Chemical and Materials Engineering</p> <p>b) Electrical Engineering, Electronics and Information</p> <p>c) Mechanical, Energy and Management Engineering</p> <p>d) Legal and Business Sciences</p>



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University Department Responsible for the Ph.D. Course	Department of Industrial and Information Engineering and Economics
Ph.D. Course Website	http://diiie.univaq.it/index.php?id=2613
Ph.D. Course Coordinator	<i>Prof. Giuseppe Ferri</i> giuseppe.ferri@univaq.it
Admission Pre-requisites	All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the aforementioned qualifications. 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.
Admission Procedure	Written exam, qualification assessment, oral exam.
Examination topics	The topics which will be considered for the examination are those typical of the Chemical and Materials Engineering, Electrical and Electronics Engineering, Information Engineering, Mechanical, Energy and Management Engineering and those of the legal, business and economical sciences according to all the curricula of the Ph.D. 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 economical aspects could be considered as well.
How to apply	The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38 . The documents must be attached in pdf format. 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.
Documents to be annexed to the Application	<ol style="list-style-type: none"> 1. CV 2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. 3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning the exams so far taken in their Master-level Degree course indicating marks obtained. 4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call. 5. Scientific publications and/or other qualifications deemed suitable for assessment. 6. Summary of the candidate's Degree thesis.
Language(s)	Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam Admission The candidate may sit the exams in ITALIAN or ENGLISH
Exam Schedules	Written exam: 31 st August, 2022 at 11:00 a.m. at the Department of Industrial and Information Engineering and Economics – Roio – L'Aquila – Room A-1.3



	<p>Qualification assessment: 1st September, 2022 at 11:00 a.m. at the Department of Industrial and Information Engineering and Economics – Roio – L’Aquila – Room A-1.3</p> <p>Oral exam: 2th September, 2022 at 09:00 a.m. at the Department of Industrial and Information Engineering and Economics – Roio – L’Aquila L’Aquila – Room A-1.3</p>
Assessment Criteria	<p>The examination procedure consists in three phases: written exam, qualifications evaluated and an 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"> Written exam: Max. 40 points with a 24/40 passing mark. The results of the written exam will be published on the Department. Qualification evaluation: Maximum 30 points distributed as follows: <ul style="list-style-type: none"> Up to 20 points for Degree mark or academic career for those who haven’t yet obtained their Master-level Degree Up to 10 points for publications and other qualifications. Oral exam: Max. 30 points The exam includes assessment of the candidate’s English language skills. The results of the oral exam will be published on the Department. <p>The commission, in case of a justified health emergency, can also consider to conduct the tests online. In this case, the test is oral and individual for each candidate.</p>
Title evaluation results publication	<p>Title evaluation results shall be published on the University website https://www.univaq.it/en/section.php?id=2163 and on Department website.</p>
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. ____</p> <p>Positions reserved for scholarship holders from foreign countries: n. ____</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p>



Ph.D. Course in Literatures, Arts, Media: The Transcodification	
Ordinary Places	8
Of which	
with full grant	6
Without financial support	2
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 5 grants - University of L'Aquila • 1 grant - Department of Excellence of Human Studies
Duration	3 anni
Curricula	<p>a) Literary studies</p> <p>b) Arts, performance, media</p>
University Department Responsible for the Ph.D Course	Department of Human Studies
Ph.D Course Website	http://scienzeumane.univaq.it/index.php?id=1691
Ph.D Course Coordinator	<p><i>Prof. Massimo Fusillo</i></p> <p>massimo.fusillo@univaq.it</p>
Admission Pre-requisites	<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	Assessment of qualifications/certifications held by the candidate, written and oral exams.
Examination topics	<p>The subjects which the exam will be focused on are: Comparative Literature and Literature Theory, and the various specialist areas included in the doctorate, for both curricula. In addition to that:</p> <p>Curriculum a) History of literary genres</p> <p>Curriculum b) Visual arts, Performance, cinema and media</p>
How to apply	<p>The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38.</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"> 1. CV 2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. 3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> • Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained. 4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.



	<p>5. A summary of their Master 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. Any publications and additional qualifications deemed appropriate for admission.</p>
Language(s)	<p>Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam</p> <p>Admission The candidate may sit exams in ITALIAN or ENGLISH</p>
Exam schedule	<p>Written exam: 20th September, 2022 at 10:00 a.m. at the Department of Human Studies – Viale Nizza – L'Aquila</p> <p>Qualification assessment: 21st September, 2022 at the Department of Human Studies - Viale Nizza – L'Aquila</p> <p>Oral exam: 22th September, 2022 at 08:30 a.m. at the Department of Human Studies – Viale Nizza – L'Aquila</p>
Assessment Criteria	<p>The assessment procedure consists in three phases: qualification evaluation, written exam and an 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"> Qualification assessment: the maximum score is 30 points, awarded through the evaluation <ol style="list-style-type: none"> curriculum: 5 points publications: 7 points project: 15 points other qualifications: 3 points Written exam: the maximum score is 35 points. In order to pass the exam the minimum score required is 20 points. The written test is aimed at assessing the basic knowledge of the chosen curriculum and the methodological awareness. Oral exam: the maximum score is 35 points. In order to pass the exam the minimum score required is 20 points. The oral exam is aimed at assessing the candidate's scientific research aptitude, his research experiences and his general preparation on topics related to the curriculum chosen by the candidate and above all on the research project presented. During the oral exam the degree of knowledge and understanding of scientific English will also be verified.
Title evaluation results publication	<p>Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2163 and on Department website http://scienzeumane.univaq.it.</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. ____</p> <p>Positions reserved for scholarship holders from foreign countries: n. ____</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. ____</p>



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Ph.D. Course in MATHEMATICS AND MODELING	
Ordinary places	10
Of which	
with full grant	8
without financial support	2
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 6 grants - University of L'Aquila • 1 grant financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 3.4. of the PNRR – “Digital and environmental transitions” • 1 grant financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR – “PNRR Research”
Grants subjects DM 351/2022 M4C1 – Inv. 3.4 “Digital and environmental transitions”	<p>1 grant aimed at carrying out research concerning: TDA-1 “<i>Variational models for the design and diagnosis of the evolution and deterioration of concrete structures</i>”</p>
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 “ PNRR Research”	<p>1 grant aimed at carrying out research concerning:</p> <ul style="list-style-type: none"> • PNRR-1 “<i>Quantum computing</i>”
Duration	3 years
Curricula	///
University Department Responsible for the Ph.D. Course	Department of Engineering, Computer Science and Mathematics
Ph.D. Course Website	http://people.disim.univaq.it/~dottorato_mate_mode
Ph.D. Course Coordinator	<p><i>Prof. Davide GABRIELLI</i> davide.gabrielli@univaq.it</p>
Admission Pre-requisites	<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	<p>Qualification evaluation and oral exam. Foreign applicants can take the oral exam in English.</p> <p>Applicants may take the oral exam via web. In this case the candidate must specify the means they wish to use for their interview indicating a valid contact address. This request must be authorized by the testing commission once the identity of the candidate has been certified, to this end the candidate shall be required to show a valid identification document at the moment of the interview.</p>
Examination topics	Presentation of the thesis and research activity
How to apply	The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38 .



	<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"> 1. CV 2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. 3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> • Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained. 4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call. 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 on line. 6. Summary, max. 2 pages, of the candidate's Degree thesis. 7. Any publications and additional qualifications deemed appropriate for assessment.
Language(s)	<p>Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam.</p> <p>Admission The candidate may sit exams in ENGLISH</p>
Exam schedule	<p>Qualification assessment: 1st September, 2022 at 9:00 a.m. at the Department of Information Engineering, Computer Science and Mathematics - Coppito – L'Aquila</p> <p>Oral Exam: 5th September, 2022 at 10:00 a.m. at the Department of Information Engineering, Computer Science and Mathematics – Coppito – L'Aquila</p>
Assessment Criteria	<p>The examination procedure consists in 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"> 1. Qualification assessment: 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. 2. Oral exam: The oral exam consists in the candidate's presentation of his/her Degree thesis and research activity. 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. <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 https://www.univaq.it/section.php?id=2163 and on Department website: http://people.disim.univaq.it/~dottorato_mate_mode/</p>



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<p>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. 2</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. __</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. __</p>
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Ph.D. Course in CLINICAL MEDICINE AND PUBLIC HEALTH	
Ordinary places	8
of which	
with full grant	6
without financial support	2
Grant/Fellowship Funding	<ul style="list-style-type: none"> • 5 grants - University of Aquila • 1 grant financed pursuant to Ministerial Decree 352/2022 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies"
Grants subjects DM 352/2022 M4C2 – Inv. 3.3 “Innovative doctorates that respond to the innovation needs of companies”	1 grant aimed at carrying out research concerning: D.INN-1 “ <i>Evaluation of signaling pathways triggered by hyperglycemia and inflammation in obesity/type 2 diabetes</i> ” managed with Dompè Farmaceutici S.p.A.
Duration	3 years
Curricula	<p>a) Internal Medicine, Cardiovascular and Systems Sciences</p> <p>b) Epidemiology, Preventive Medicine and Nursing Sciences</p>
University Department Responsible for the Ph.D. Course	Department of Life, Health and Environmental Sciences
Ph.D. Course Website	https://mesva.univaq.it/?q=node/9622
Ph.D. Course Coordinator	<i>Prof. Claudio Ferri</i> claudio.ferri@univaq.it
Admission Pre-requisites	<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	Epidemiology, Preventive Medicine, Internal Medicine, Geriatrics, Cardiology, Nursing Sciences.
How to apply	<p>The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38.</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"> 1. CV 2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final



	<p>mark and list of exams taken and marks obtained;</p> <ul style="list-style-type: none"> • Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. <p>3. Candidates enrolled in an Italian Degree Course must include:</p> <ul style="list-style-type: none"> • Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained. <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. Additional qualifications – scientific publications – deemed appropriate for admission.</p> <p>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 actual 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).</p>
Language(s)	<p>Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam</p> <p>Admission The candidate may sit exams in ITALIAN or ENGLISH</p>
Exam schedule	<p>Qualification assessment: 1st September, 2022 at 9:00 a.m. at the Department of Life, Health and Environmental Sciences</p> <p>Written exam: 1st September, 2022 at 15:00 a.m. at the Department of Life, Health and Environmental Sciences - Blocco 11 - Piazzale S. Tommasi, 1 - L'Aquila</p> <p>Oral exam: 6th September, 2022 at 9:00 a.m. at the Department of Life, Health and Environmental Sciences - Blocco 11 - Piazzale S. Tommasi, 1 - L'Aquila</p>
Assessment Criteria	<p>The assessment procedure consists in three phases: qualification assessment, written exam and an oral exam. The candidate's score shall be indicated out of 100 points attributed as follows:</p> <ol style="list-style-type: none"> 1. Qualification assessment: Max. 30 points as follows: <ol style="list-style-type: none"> a. Degree mark: Up to 6 points b. Degree thesis: Up to 4 points c. CV: Up to 4 points d. Publications: Up to 4 points e. Additional qualifications: Up to 2 points f. Research project: Up to 10 points 2. Written exam: Max. 40 points, with a 20 passing mark. A written assignment chosen by the candidate among titles proposed by the examination commission regarding scientific topics pertaining to the Ph.D. course Curricula. 3. Oral exam: Max. 30 points. 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.



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Title evaluation results publication	Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2163 and on Department website: http://mesva.univaq.it/ .
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. ____ Positions reserved for scholarship holders from foreign countries: n. 2 Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. ____ Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. ____



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Ph.D. Course in EXPERIMENTAL MEDICINE	
Ordinary places	14
of which	
with full grant	11
without financial support	3
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 8 grants - University of L'Aquila • 1 grants financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR - "Doctorates for the Public Administration" • 1 grant financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR – "PNRR Research" • 1 grant financed pursuant to Ministerial Decree 352/2022 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies"
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 "Ph.D. for Public Administration"	<p>n. 1 grant aimed at carrying out research concerning:</p> <p>PA-1 "<i>Enhancement of effective managerial, leadership and interpersonal communication skills for public organisations, with particular reference to the work attitude and motivation of corporate human resources</i>" managed with ASL1 Abruzzo (Scientific coordinator: Prof. M. Mazza)</p>
Tematiche borse DM 351/2022 M4C1 – Inv. 4.1 "Ricerca PNRR"	<p>n. 1 grant aimed at carrying out research concerning:</p> <p>PNRR-1 "<i>Use of Ultrasound on cancer models: innovative approaches for diagnostic biomarkers identification</i>" (Scientific coordinator: Prof. A. Tessitore)</p>
Grants subjects DM 352/2022 M4C2 – Inv. 3.3 "Innovative doctorates that respond to the innovation needs of companies"	<p>n. 1 grant aimed at carrying out research concerning:</p> <p>D.INN-1 "<i>Bioactive lipids and resolution of inflammation in sensorineural degenerations of cochlea</i>" managed with Dompè Farmaceutici S.p.A. - (Scientific coordinator: Prof. M. Maccarrone)</p>
Duration	3 years
Curricula	<p>a) Experimental and Clinical Medicine, and Endocrinology b) Biotechnology and Biochemical Sciences c) Clinical, Medical and Surgical Sciences d) Basic and Clinical Neurosciences</p>
University Department Responsible for the Ph.D. Course	Department of Biotechnological and Applied Clinical Sciences
Ph.D. Course Website	https://discab.univaq.it/index.php?id=2841
Ph.D. Course Coordinator	<p><i>Prof.ssa Mariagrazia PERILLI</i> mariagrazia.perilli@univaq.it</p>
Admission Pre-requisites	<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	Examination Topics are related to the 4 curricula.



<p>How to apply</p>	<p>The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38.</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"> 1. CV 2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. 3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> • Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained. 4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call. 5. 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 on line. 6. Summary, max. 2 pages, of the candidate's Degree thesis. 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 actual 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). 8. Any additional qualifications deemed appropriate for admission.
<p>Language(s)</p>	<p>Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam</p> <p>Admission The candidate may sit exams in ITALIAN or ENGLISH</p>
<p>Exam schedule</p>	<p>Qualification assessment: 1st September, 2022 at 10:00 a.m. at the Department of Biotechnological and Applied Clinical Sciences</p> <p>Written exam: 5th September, 2022 at 10:00 a.m. – Classroom C3.4, II floor, “Edificio A.C. De Meis” (Coppito 2) - L'Aquila</p> <p>Oral exam: 6th September, 2022 at 10:00 a.m. - Classroom C3.4, II floor, “Edificio A.C. De Meis” (Coppito 2) - L'Aquila</p>
<p>Assessment Criteria</p>	<p>The assessment procedure consists in three phases: qualifications evaluated, written exam and an 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"> 1. Qualification Assessment: max. 10 points attributed as follows: <ol style="list-style-type: none"> a. CV and studorium: up to 2 points b. Degree mark and exams taken: up to 6 points c. Additional qualifications (Degree thesis, scientific publications, letters of recommendation): up to 2 points.



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	<p>2. Written exam: max. 50 points, with a 35/50 passing mark. The aim of the written exam is to assess the applicant's basic knowledge and technical skills regarding the scientific research issues pertinent to Ph.D curricula.</p> <p>3. Oral exam: The oral exam focuses on:</p> <ol style="list-style-type: none">the candidate's experience in the research sectorhis/her motivation and aptitude for researchdiscussion of a specific topic pertaining to the various curricula. <p>The oral exam will include assessment of English language skills. Foreign candidates may request to sit the oral exam in English. The maximum score for the oral exam is 40/40 with a 15/40 passing mark.</p>
Title evaluation results publication	Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2163 and on Department website: https://discab.univaq.it/index.php?id=2841
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. ____ Positions reserved for scholarship holders from foreign countries: n. ____ Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. ____ Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. ____



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Ph.D. Course in HEALTH AND ENVIRONMENTAL SCIENCES	
Ordinary places	12
of which	
with full grant	9
without financial support	3
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 5 grants - University of Aquila • 2 grants financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR – “PNRR Research” • 1 grant financed pursuant to Ministerial Decree 352/2022 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" • 1 grant financed by Istituto Superiore di Sanità on the research topic “<i>Identification and characterization of new molecular pathways in undiagnosed diseases</i>” (Scientific coordinator: Prof. F. Brancati)
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 “PNRR Research”	<p>2 grants aimed at carrying out research concerning:</p> <p>PNRR-1 “<i>Characterization of extracellular vesicles derived from plant matrices as a natural drug delivery system</i>” (Scientific coordinator: Prof. V. Dolo)</p> <p>PNRR-2 “<i>Characterization of genomes of cardoncello strains for the improvement of the production process and the commercial development of a product with high added value</i>” (Scientific coordinator: Prof. M. Iotti)</p>
Grants subjects DM 352/2022 M4C2 – Inv. 3.3 “Innovative doctorates that respond to the innovation needs of companies”	<p>n. 1 grant aimed at carrying out research concerning:</p> <p>D.INN-1 “<i>Development of bacterial and/or fungal biofertilizers useful for sustainable agriculture</i>” managed with SPAA S.r.l. (Scientific coordinator: Prof. L.G. Pace)</p>
Duration	3 years
Curricula	<p><i>a) Translational Medicine</i></p> <p><i>b) Diagnostic, Molecular and Ultrastructural Imaging</i></p> <p><i>c) Pathophysiology of the stomatognathic system</i></p> <p><i>d) Psychosociorehabilitative Neuroscience</i></p> <p><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	http://mesva.univaq.it/?q=node/6741
Ph.D. Course Coordinator	Prof.ssa Maria Grazia CIFONE mariagrazia.cifone@univaq.it
Admission Pre-requisites	<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>



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Admission Procedure	Qualification assessment, Written exam, Oral exam.
Examination topics	<ul style="list-style-type: none">- Curriculum “Translational Medicine” 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.- Curriculum “Diagnostic, Molecular and Ultrastructural Imaging” 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.- Curriculum “Pathophysiology of the stomatognathic system” 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 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).- Curriculum “Psychosociorehabilitative Neuroscience” 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.- Curriculum “Environmental Sciences” 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.
How to apply	<p>The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38.</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"> 1. CV 2. Candidates holding a degree from an Italian university must provide: <ul style="list-style-type: none"> • Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained. 3. Candidates enrolled in an Italian Degree Course must include: <ul style="list-style-type: none"> • Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained; • Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained. 4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call. 5. Summary, max. 2 pages, of the candidate's Degree thesis. 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"> • Brief summary of the project in Italian and English (maximum 500 characters including spaces). • Maximum 5 keywords. • Detailed description of the project (maximum 10000 characters including spaces). Background, purpose, methods, expected results, bibliography. <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> 7. A complete list and a copy of the candidate's publications in the last three years (2019-2022). 8. Any additional qualifications deemed useful for the assessment, including a list of overall scientific publications.
<p>Language(s)</p>	<p>Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam.</p> <p>Admission The candidate may sit exams in ITALIAN or ENGLISH</p>
<p>Exam Schedule</p>	<p>Qualification assessment: 2nd September, 2022 at 10:00 a.m. at the Department of Life, Health and Environmental</p> <p>Written exam: 7th September, 2022 at 10:00 a.m. at the Department of Life, Health and Environmental Sciences – Building “Paride Stefanini” (Blocco 11A) - Piazzale S. Tommasi, 1 - L'Aquila</p> <p>Oral exam: The date of the oral exam will be announced on the day of the written exam and will take place at the Department of Life, Health and Environmental</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"> 1. Qualification assessment: Max. 30 points attributed as follows: <ul style="list-style-type: none"> - Degree mark: Up to 5 points - Thesis pertaining to the Ph.D. curricula applied for: Up to 5 points - Scientific publications: Up to 5 points - Research project: up to 10 points - Additional qualifications: Up to 5 points 2. Written exam: 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. 3. Oral exam: 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.
<p>Title evaluation results publication</p>	<p>Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2163 and on Department website: http://mesva.univaq.it/</p>
<p>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. __</p> <p>Positions reserved for scholarship holders from foreign countries: n. 1</p> <p>Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. __</p> <p>Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. _</p>



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Ph.D. Course in PHYSICAL AND CHEMICAL SCIENCES	
Ordinary Places	15
Of which	
with full grant	11
Without financial support	4
Grant/Fellowship Funding source	<ul style="list-style-type: none"> • 5 grants – University of L'Aquila • 1 grant financed pursuant to Ministerial Decree 351/2022 • Mission 4, Component 1, Investment 4.1. of the PNRR – “PNRR Research” • 4 grants financed pursuant to Ministerial Decree 352/2022 • Mission 4, Component 2, Investment 3.3. of the PNRR - "Innovative doctorates that respond to the innovation needs of companies" • 1 grant financed by INFN on the research topic “Investigation of neutron fluxes in the LNGS laboratory using a mobile neutron detection system”
Grants subjects DM 351/2022 M4C1 – Inv. 4.1 “ PNRR Research”	1 grant aimed at carrying out research concerning: PNRR-1 “Transport of aerosol in multibranched network: multiscale computational approach via Deep Learning”
Grants subjects DM 352/2022 M4C2 – Inv. 3.3 “Innovative doctorates that respond to the innovation needs of companies”	4 grants aimed at carrying out research concerning: D.INN-1 “Development of catalytic methodologies for the synthesis of molecules with high impact with the use of organocatalysis, photocatalysis and synergistic catalysis” managed with DIPHARMA FRANCIS S.r.l. D.INN-2 “Characterization and authentication of wines typical of the Abruzzo region” managed with CANTINA ORSOGNA D.INN-3 “Automation of Density Functional Theory calculations under High Performance Computing on the complexes of the PDBbind database” managed with DOMPE FARMACEUTICI S.p.A. D.INN-4 “Definition and prototype or pre-prototype development of market-oriented local-scale meteorological services that provide useful products in the Smart Communities field, aimed in particular at exploiting the opportunities offered by intelligent mobility systems (ITS) in the prevention and optimal management of meteorological risk on urban and extra-urban mobility” managed with HIMET S.r.l.
Duration	3 years
Curricula	////
University Department Responsible for the Ph.D Course	Department of Physical and Chemical Sciences
Ph.D Course Website	https://dsfc.univaq.it/it/la-ricerca/dottorato.html
Ph.D Course Coordinator	Prof. Massimiliano ASCHI massimiliano.aschi@univaq.it
Admission Pre-requisites	<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>



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Admission Procedure	Qualification assessment and oral exam. Foreign students may sit the oral exam in English. Candidates 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.
Examination topics	Notions on Chemistry or Physics according to 2 nd cycle degree.
How to apply	The application must be submitted only via the online procedure available at: https://pica.cineca.it/univaq/dottorato38 . The documents must be attached in pdf format. 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.
Documents to be annexed to the Application	<ol style="list-style-type: none">1. CV2. Candidates holding a degree from an Italian university must provide:<ul style="list-style-type: none">• Self-certification concerning their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;• Self-certification concerning their Master-level Degree course indicating final mark and list of exams taken and marks obtained.3. Candidates enrolled in an Italian Degree Course must include:<ul style="list-style-type: none">• Self-certification of their Bachelor-level Degree indicating final mark and list of exams taken and marks obtained;• Self-certification of the exams so far taken in their Master-level Degree course indicating marks obtained.4. Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call.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 on line.6. Summary, max. 2 pages, of the candidate's Degree thesis.7. Scientific publications and any additional qualifications deemed appropriate for admission.
Language(s)	Assessment of foreign language skills English language skills and competence shall be assessed during the oral exam. Admission The candidate may sit exams in ENGLISH
Exam schedule	Qualification assessment: 2 nd September, 2022 at the Department of Physical and Chemical Sciences Oral exam: 5 th September, 2022 at the Department of Physical and Chemical Sciences
Assessment Criteria	The examination procedure consists in 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: 1. Qualification assessment: 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. 2. Oral exam: 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. Foreign students 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.



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Title evaluation results publication	Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2163 and on Department website: https://dsfc.univaq.it
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. ____ Positions reserved for scholarship holders from foreign countries: n. ____ Positions covered by scholarship reserved for applicants having obtained a Degree abroad n. ____ Positions not covered by scholarship reserved for applicants having obtained a Degree abroad n. ____