

PhD Course in	APPLIED SCIENCES FOR BUSINESS INNOVATION (ASBI)
Coordinator	Prof. Alessandro Marra Dipartimento: Dipartimento di Economia e-mail: Alessandro.Marra@Unich.It
Duration	3 years - Starting date: November 2 nd , 2026
Disciplines	ECON-04/A – Applied Economics; ECON-05/A – Econometrics; ECON-06/A – Business Administration; ECON-07/A – Business Economics and Management; ECON-09/B – Economics of Financial Intermediaries; ECON-10/A – Commodity Science; GEOG-01/B – Economic and Political Geography; INFO-01/A – Computer Science; MATH-03/B – Probability and Mathematical Statistics; STAT-02/A – Economic Statistics
PhD Programme description	The PhD Programme in Applied Sciences for Business Innovation (ASBI) is designed as a programme of excellence dedicated to the analysis, governance, and anticipation of the complex ecological and digital transition processes that are reshaping socio-economic landscapes and global production systems. Characterised by a strong applied orientation in the fields of economics, business, and quantitative sciences, the ASBI PhD combines theoretical rigour with the study of real-world challenges. Its research and training activities are explicitly aimed at knowledge and technology transfer, supporting businesses, local institutions, and the design of evidence-based public policies. The educational and scientific programme is structured around four strategic research areas: – Green transition and circular economy: industrial ecology models, energy transition, sustainability, and environmentally sustainable business strategies. – Digital transformation and artificial intelligence: the impact of emerging technologies and AI on organisational processes, digitalisation strategies, and the dematerialisation of the economy. – Data science and business analytics: development of quantitative models, advanced big data analytics (including spatial and territorial data), and performance measurement systems to support data-driven decision-making. – Strategy, change analysis, and public policy: the evolution of business models and the analysis of the territorial impacts of ongoing ecological and digital transitions. The programme adopts a scientific approach that integrates both the microeconomic (firm-level) and mesoeconomic (industry and district-level) perspectives, placing particular emphasis on the supply side of the economy and on innovation processes. The educational model is guided by three core principles: – Interdisciplinarity: the synergistic integration of economics, business, and quantitative disciplines to provide a comprehensive and systemic understanding of business complexity. – Cross-sectoral collaboration: active engagement with the productive sector through established partnerships with companies and public institutions, fostering applied and field-based research. – Internationalisation: the integration of doctoral candidates into European and global research networks, strengthening collaborations with leading universities and international research centres.
Period abroad	It is mandatory to undertake a visiting period abroad of 6 months

PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa https://www.dec.unich.it/home-applied-sciences-for-business-innovation-18335
Available positions	n. 5 positions of which: n. 2 scholarships funded by the University n. 1 position reserved for employees of a private company (Ud'Anet Srl) on the research topic: "Machine Learning and Hybrid Models for Pharmaceutical Demand Forecasting: An Application to the Pharmaceutical Distribution Network in the Abruzzo Region" n. 1 position reserved for employees of a public administration (Local Health Authority of Pescara - ASL Pescara) on the research topic: "Real-World Evidence on Novel Incretin-Based Therapies for Obesity and Type 2 Diabetes" n. 1 position reserved for employees of a public administration (Local Health Authority of Pescara - ASL Pescara) on the research topic: "A Lean Approach to the Analysis and Optimisation of Hospital Department Processes as a Tool for Quality Management"
Admission requirements	See art. 2 of the PhD Call
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral examination will take place in person on September 17th, 2026, at 12:00 PM , at the Department of Economics – Pescara Campus, Room 10/12. Upon justified request to the Chair of the Committee, it will be possible to take the exam remotely via Microsoft Teams. Candidates who request to take the oral examination remotely will be contacted by the Committee via email to arrange the date and time of the interview. Remote participation is allowed for candidates residing abroad.

PhD Course in	BASIC AND APPLIED MEDICAL BIOTECHNOLOGY
Coordinator	Prof. Stefania Fulle Department: Neuroscience, Imaging and Clinical Sciences Email : stefania.fulle@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	BIOS-06/A, BIOS-07/A, BIOS-08/A, BIOS-09/A, BIOS-12/A, BIOS-01/D, BIOS-11/A, CHEM-08/A, MEDS-07/B, MEDS-13/C, MEDS-16/A, MEDS-17/A, MEDS-26/A, MEDS-26/B
PhD Programme description	The PhD programme aims to train highly qualified researchers in the medical, biomedical, biotechnological, and pharmaceutical fields by promoting an interdisciplinary approach focused on translational research and therapeutic innovation. The training programme will emphasize the use of advanced technologies and innovative methodologies, including genomics, proteomics, and metabolomics, to develop adaptive, pharmacological, and technological strategies in regenerative and reconstructive medicine. Particular attention will be devoted to studying ageing processes and tissue alterations induced by various physiological and pathological conditions affecting human organs and systems. In this context, innovative techniques based on stem cells, next-generation scaffolds, and advanced biomaterials will be developed for the repair, preservation, and regeneration of musculoskeletal, cardiac, bone, ocular, and central nervous system tissues. Research activities will also include the application of biotechnological approaches to the study of cardiovascular, neurodegenerative, inflammatory, and neoplastic diseases, with the aim of identifying early biomarkers of disease pathogenesis and developing novel therapeutic and pharmaceutical strategies. The programme will also focus on the discovery, characterization, and development of bioactive molecules, including the study of plant organisms as a valuable source of extracts and natural compounds for health applications, thereby contributing to the advancement of translational research and therapeutic innovation. Additional research topics will include the development of innovative pharmaceutical formulations, pharmaceutical nanotechnologies, and spatially controlled delivery systems for biotechnological drugs. Within the field of dentistry and oral medicine, research will address the biological properties and clinical applications of biomaterials for bone replacement and regeneration, including stem cell-based approaches, as well as the development of advanced diagnostic techniques such as in vivo confocal microscopy for accurate functional damage assessment. The PhD programme will also integrate artificial intelligence tools to improve the predictive capacity of healing processes and support the development of innovative personalized medicine models. The Doctorate in Basic and Applied Medical Biotechnologies is divided into three curricula: - Functional biotechnology - Technological innovation in cardiovascular and pharmacological sciences - Biotechnology in Integrated Surgery A compulsory international visiting period of minimum 3 months is required.

PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa; https://www.dnisc.unich.it/home-dottorato-in-biotecnologie-mediche-5922
Available positions	n. 6 positions of which: n. 1 position fully funded scholarship financed by the University, curriculum Functional Biotechnology n. 2 positions reserved for employees of ASL 2 Abruzzo Region, curriculum Biotechnology in Integrated Surgery, on the following research topics: • <i>Advanced coronary imaging and artificial intelligence for the planning and optimization of myocardial revascularization.</i> • <i>Robotic technologies and innovative strategies for minimally invasive myocardial revascularization.</i> n. 1 position co-funded by the University (50%) and the National Research Council (CNR) (50%), curriculum Functional Biotechnology, on the research topic: • <i>Innovative regenerative medicine strategies using externally activated biomaterials.</i> n. 1 position co-funded by the University (50%) and Aenova (50%), curriculum Technological innovation in cardiovascular and pharmacological sciences, on the research topic • <i>From Technology to Competence</i> n. 1 unfunded PhD position
Admission requirements	See art. 2 PhD Call 42nd cycle - Academic Year 2026/2027 Si rimanda all'art. 2 del bando di concorso LM-6 Biologia LM-6 R Biologia LM-7 Biotecnologie agrarie LM-7 R Biotecnologie agrarie LM-8 Biotecnologie industriali LM-8 R Biotecnologie industriali LM-9 Biotecnologie mediche, veterinarie e farmaceutiche LM-9 R Biotecnologie mediche, veterinarie e farmaceutiche LM-13 Farmacia e farmacia industriale LM-13 R Farmacia e farmacia industriale LM-13. Farmacia e farmacia industriale LM-17 Fisica LM-17 R Fisica LM-18 Informatica LM-21 Ingegneria biomedica LM-21 R Ingegneria biomedica LM-22 Ingegneria chimica LM-22 R Ingegneria chimica LM-40 R Matematica LM-41 Medicina e chirurgia LM-41 R Medicina e chirurgia LM-42 Medicina veterinaria

	LM-42 R Medicina veterinaria LM-46 Odontoiatria e protesi dentaria LM-46 R Odontoiatria e protesi dentaria LM-51 Psicologia LM-51 R Psicologia LM-53 Scienza e ingegneria dei materiali LM-54 Scienze chimiche LM-54 R Scienze chimiche LM-55 Scienze cognitive LM-55 R Scienze cognitive LM-60 Scienze della natura LM-60 R Scienze della natura LM-61 Scienze della nutrizione umana LM-61 R Scienze della nutrizione umana LM-67 Scienze e tecniche delle attività motorie preventive e adattate LM-67 R Scienze e tecniche delle attività motorie preventive e adattate LM-68 Scienze e tecniche dello sport LM-68 R Scienze e tecniche dello sport LM-69 Scienze e tecnologie agrarie LM-69 R Scienze e tecnologie agrarie LM-70 Scienze e tecnologie alimentari LM-70 R Scienze e tecnologie alimentari LM-71 Scienze e tecnologie della chimica industriale LM-71 R Scienze e tecnologie della chimica industriale LM/SNT1 Scienze infermieristiche e ostetriche LM/SNT2 Scienze riabilitative delle professioni sanitarie LM/SNT3 Scienze delle professioni sanitarie tecniche LM/SNT4 Scienze delle professioni sanitarie della prevenzione LM/SC Scienze criminologiche applicate all'investigazione e alla sicurezza LM-67. Scienze e tecniche delle attività motorie preventive e adattate (abilitazione A030) LM-68. Scienze e tecniche dello sport (abilitazione A030)
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 17th 2026 at 9:00 a.m., at the Department of Neuroscience, Imaging and Clinical Sciences, Chieti Campus, Meeting Room, New Teaching Building, Basement, Building B. Candidates residing abroad who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	BIOMOLECULAR AND PHARMACEUTICAL SCIENCES
Coordinator	Prof. Antonella Fontana Department: Pharmacy Email : antonella.fontana@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	Analytical chemistry; general and inorganic chemistry; organic chemistry; pharmaceutical chemistry; pharmaceutical chemistry and food chemistry; technology, socioeconomics and regulation of medicines and health and wellness products; biochemistry; cellular and applied biology; pharmacology; human anatomy; medical statistics; general and clinical pathology; microbiology and clinical microbiology; occupational medicine; technical sciences of laboratory medicine; advanced medical and surgical technical sciences
PhD Programme description	The Doctoral Program in Biomolecular and Pharmaceutical Sciences at the "G. d'Annunzio" University of Chieti-Pescara is an advanced and interdisciplinary program aimed at training highly qualified researchers in the fields of life sciences, translational medicine, pharmaceutical sciences, and biotechnology. The Doctoral Program leverages the scientific expertise and research infrastructures of the Departments of Pharmacy, Medical, Oral, and Biotechnology Sciences, Innovative Technologies in Medicine and Dentistry, Medicine and Aging Sciences, and Sciences, as well as the technological platforms of the Center for Advanced Studies and Technology (CAST), and established collaborations with national and international research institutions and the pharmaceutical, biotechnology, nutraceutical, and biomedical industries. The program is organized into two complementary curricula: The Biomolecular Sciences Curriculum, focused on the study of the molecular, cellular, and pathophysiological mechanisms involved in the onset and progression of human diseases. The Pharmaceutical Sciences Curriculum, focused on the design, development, characterization, and evaluation of bioactive molecules, drugs, natural products, and innovative devices for human health. Both curricula promote a multidisciplinary and integrated approach, fostering scientific cross-disciplinary collaboration and the acquisition of transversal skills in research design, data analysis, bioinformatics, intellectual property, technology transfer, entrepreneurship, and scientific communication. Special emphasis is placed on internationalization through research placements at foreign institutions, participation in international scientific networks, European programs, and collaborations with universities and research centers of excellence. The program includes a mandatory stay abroad of at least 3 months. The program is strongly oriented toward innovation and knowledge transfer to the production system, thanks to the presence of industrial PhD programs and collaborations with companies operating in the pharmaceutical, biotechnology, diagnostics, nutraceutical, and biomedical sectors. The program also aims to develop advanced skills in research design, management, and reporting, with particular reference to national and European funding programs. Doctoral students will acquire the ability to identify funding opportunities, develop competitive

	project proposals, and participate in the preparation of research projects aligned with the European Union's strategic priorities, such as Horizon Europe, Marie Skłodowska-Curie Actions, the European Research Council (ERC), the European Innovation Council (EIC), and European Partnerships. Particular attention will be paid to the aspects of interdisciplinarity, impact, technology transfer, sustainability, and Open Science required by modern European funding programs.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://farmacia.unich.it/corso-di-dottorato-in-scienze-biomolecolari-e-farmaceutiche https://dsmob.unich.it/home-corso-di-dottorato-in-scienze-biomolecolari-e-farmaceutiche-18317
Available positions	n. 10 positions of which: n. 1 scholarship funded by the University n. 1 position reserved to employees (maintaining their salary) of the Company DALTON BIOTECNOLOGIE srl on the research topic "Scientific validation and functional characterization of innovative formulations based on probiotics, postbiotics, and functional ingredients for nutraceutical applications, microbiome-care, and technology transfer" n. 1 position reserved to employees (maintaining their salary) of the Pharmacy Monteverde srl on the research topic "Development of an integrated pathway for the extraction, design, characterization, and formulation of new bioactive compounds in galenic preparations: a model of collaboration between universities and private pharmacies" n. 2 positions reserved to employees (maintaining their salary) of the Pharmacy San Donato srl on the research topic "Development and evaluation of multifunctional platforms for the local delivery of active ingredients in androgenetic alopecia: absorbable biofilms and microemulsion-based systems for topical and intradermal application" n. 1 position reserved to employees (maintaining their salary) of the Company Cellex srl on the topic "Development of technologies and processes for advanced cell cultures and industrial transferability in the biotechnology and pharmaceutical fields" n. 1 position reserved to employees (maintaining their salary) of the Company ITTEL srl on the topic "Study of the radiopharmaceutical ¹⁸F-Fluoroestradiol used in nuclear medicine at a diagnostic level" n. 1 position co-funded by the University (25%) and the Department of Pharmacy (75%) on the topic "Nanocarbon and nanostructured systems for advanced applications." The Department's funding includes €5,490.35 from the PRIN 2022 Project - MULTIscale PORous systems for advanced applications (MULTIPOR - 2022R5E2P5) - CUP D53C2400328 0006. n. 1 position co-financed by the University (25%) and the Department of Medical, Oral and Biotechnological Sciences (75%) on the topic "Molecular characterization of airway inflammation and lipidomic signatures in cystic fibrosis to support precision therapies". The fellowship is funded by the project AIR-LIPID-CF: Defining an Airway Lipidomic Readiness Panel in Cystic Fibrosis for Future Gene and Modulator Therapies - CUP D73C2600074 0007 n. 1 position reserved for a research appointment (Art. 22 ter L.240/2010) funded by the Horizon 2020 project 101227308 — INTRABRAIN — HORIZON-MSCA-2024-DN-01 (CUP:

	D53C25004050005) on the topic of "Encapsulation of viruses in PLGA for protection and enhanced transfection"
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 22nd, 2026 at 9:00 am at Dept of Pharmacy in Room 3 situated in Campus of CHIETI, Via dei Vestini 31, 66100, Chieti. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	BUSINESS AND BEHAVIOURAL SCIENCES
Coordinator	Prof. Riccardo Palumbo Department: Neuroscienze, Imaging e Scienze cliniche Email: riccardo.palumbo@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	Economics, Finance, Management, Cognitive science, Psychology
PhD Programme description	PhD Programme description The Doctoral program in "Business and Behavioural Sciences" is positioned within the behavioural and experimental paradigm that has engaged economic and managerial sciences in the third millennium. The Doctoral program is explicitly designed around interdisciplinary contamination, and this choice is reflected in the composition of the faculty board. Specifically, with reference to ERC descriptors, the Doctoral program combines the following research fields: SH1: Individuals, Institutions and Markets: Economics, finance and management SH4: The Human Mind and Its Complexity: Cognitive science, psychology, linguistics, education. The Doctoral program aims to give particular attention to the study of "economic decision-making" in relation to Industry 5.0 themes. The program includes a mandatory 6-month period abroad.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; www.bbs.unich.it
Available positions	n. 3 positions of which: n. 1 scholarship co-funded by the University (50%) and internal University funds of the Department of Psychology (50%). n. 1 scholarship co-funded by the University (50%) and internal University funds of the Department of Neuroscience, Imaging and Clinical Sciences (50%). n. 1 scholarship co-funded by the University (50%) and external funds from the company Oltrematica S.r.l. (50%) on the topic "Decision-making processes and trust mechanisms in B2B business relationships: a behavioral approach to lead generation, qualification and conversion".
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 21st, 2026 from 9:00 AM, at the Pescara Campus, University G. d'Annunzio, Room 30. Candidates living abroad may choose a remote oral exam. Candidates that will held the exam in remote, will be contacted via email by the Commission to define date and time of the interview.

PhD Course in	CULTURAL HERITAGE STUDIES: TEXTS, WRITINGS, IMAGES
Coordinator	Prof. Luigi Bravi Department: Lettere Arti e Scienze Sociali Email : luigi.bravi@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	ARCH-01/D, ARTE-01/A, ARTE-01/B, ARTE-01/C, ARTE-01/D, FICP-01/A, FLMR-01/A, FLMR-01/B, HELL-01/B, HIST-01/A, HIST-04/D, LATI-01/A, LIFI-01/B, STAN-01/A, STAN-01/B.
PhD Programme description	The PhD programme focuses on the study of cultural heritage and, in particular, on the transmission of the ancient world in the many forms it has taken from its origins through to the modern age: the transmission and tradition of texts, documents, images, and historical and archaeological sources; literary and artistic revivals and reinterpretations; and the evolution of writing systems and book formats. Classical civilisation was the cradle of Western culture and, first and foremost, of European culture: it has radically influenced its development, in a fruitful interplay between continuity and innovation, depending on the period and context. Building on the fact that, in the field of studies on the transmission and memory of the ancient world, Italy has held – and continues to hold – an unrivalled leading position on the global stage, the PhD programme aims to preserve this leading position whilst simultaneously promoting this field of study. This is a project conceived with a strong interdisciplinary, multidisciplinary, transdisciplinary and international focus, underpinned by the conviction that the mobility of staff and students from different universities or countries is, now more than ever, an essential prerequisite for any high-calibre research in the humanities. With this in mind, the PhD programme aims to attract students from other institutions (both Italian and international), to facilitate study periods abroad for PhD candidates, and to involve national and international experts in the various disciplinary fields that characterise the programme (literature, philology, art history, history, book studies, digital humanities) in its teaching activities. The PhD programme coherently brings together disciplines and methodologies relating to two different ERC areas (SH5 and SH6), the harmonisation of which is ensured by a shared central theme. There are three main strands of its research 1) The study of written signs and graphic symbols from Greek and Roman antiquity through the Middle Ages, including their interaction with forms of artistic expression. 2) The compilation of inventories, catalogues, print or digital editions, databases and portals relating to literary texts in the Romance and medieval-humanistic fields, or to iconographic and artistic output from the Middle Ages to the nineteenth century. 3) The study of material and textual sources in relation to the socio-cultural development of the ancient world, with a view to gaining a better understanding of fundamental aspects of cultural, socio-political and economic life in the modern world. A period of at least three months spent abroad as a visiting scholar is compulsory.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://www.dilass.unich.it/dottorato
Available positions	n. 5 positions of which: n. 1 position funded by the University

	n. 1 position for company staff (Capitular Museum of Atri) on the topic “The archaeological heritage of the Capitular Museum of Atri: history of the collection, digitisation, cataloguing of artefacts and buildings, promotion and creation of virtual and interactive museum tours” n. 1 position co-funded by the University (50%) and from CAAM/GRAFF-IT (50%) funds on the topic “Latin history and epigraphy of the Vestini region” n. 2 positions for public sector employees (Department of Antiquities, Libya) on the following topics: 1. Mapping and Conservation of Historical Landscapes and Ancient Monuments in Western Libya through Historical Documentation and Modern Technologies; 2. Preservation, Rehabilitation and Promotion of Archaeological Sites in Tobruk Area.
Admission requirements	See art. 2 of the PhD Call 42nd cycle - Academic Year 2026/2027 All master's degrees are eligible
Language	English language knowledge is required
Selection procedures and criteria	The selection of candidates for scholarships will take place through: - written test (up to 40/100 points); - evaluation of the research project and qualifications (up to points 20/100); - oral test (up to 40/100 points). In carrying out the written test, the candidate may choose one of the following options: - translation of a piece of poetry from Greek or Latin with historical-literary, linguistic and metric commentary; - translation and contextualization of a historical source, in Greek or Latin, with historical commentary (historical-political, historical-economic and social, historical-cultural); - transcription of one or more facsimiles taken from codes or documents with historical commentary, Paleographic and diplomatic or linguistic and literary. - historical-artistic topic: methods, problems, history and critical analysis of works and artistic phenomena. Each of these options will be drawn by lot from three possible tracks previously prepared by the Commission. Candidates will have four hours for the written test. You are admitted to the evaluation of the research project and qualifications and to the oral exam only if you achieve the minimum score of 24/100 in the written test. The list of candidates admitted to the evaluation of the research project and titles and to the oral exam will be published on the Scuola Superiore di Dottorato website https://www.scuolasuperiore.unich.it. The oral test will consist of: (a) in the discussion of the written test; (b) in the assessment of knowledge of the chosen foreign language by submitting to the candidate a passage to be read and translated; c) in the verification of the methodological and disciplinary skills necessary for the realization of the project; d) in the discussion of the research project; Foreign candidates can take, in addition to in Italian, the tests in English, French or German. If this possibility is used, the verification of an adequate knowledge of the Italian language will follow.

	The minimum score to achieve eligibility is 60/100.
Date publication pre-Selection	September 14th, 2026
Exam date	The written exam will take place on September 2nd, 2026 at 11 am, Polo didattico-Campus di Chieti Scalo, Room 1. The oral exam will take place on September 17th, 2026 at 11 am, Polo didattico-Campus di Chieti Scalo, Room 1. Foreign candidates will take the oral interview remotely and will be contacted via email by the Commission to define the date and hour for carrying out the test.

PhD Course in	DESIGN CULTURES: CREATIVITY, HERITAGE, ENVIRONMENT
Coordinator	Prof. Maurizio Unali Department: Architecture Email : maurizio.unali@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	Area 08 Disciplines of Civil Engineering and Architecture
PhD Programme description	The course trains specialists in the field of research on architectural design from an interdisciplinary perspective, encompassing the activities of planning, control and conservation of the built and natural environment, along with those related to production and industrial design. This approach is integrated with the issues of environmental sustainability and risk management of cultural heritage to offer a wide range of cultural and operational specializations to doctoral students. The educational offer is divided into three curricula, to be understood as broad thematic areas that allow free exchange and in-depth study: Architectural and Urban Design; Technological and Environmental Design and Design; Built Cultural Heritage. The planned activity privileges collaborations with foreign research institutions and universities that, where possible, allow doctoral students to obtain Italian and foreign degrees (co-tutored) and the possible additional certification of Doctor Europaeus. The PhD Students are required to spend a stay abroad for a minimum period of 3 months during the three years.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa https://www.dda.unich.it/dottorato-di-ricerca
Available positions	n. 4 positions of which: n. 1 scholarship funded by the University n. 1 scholarship funded by the University (50%) and PRJ-0756 project (AI-SECRET) CUP D23C25000550006 on the research topic "AI supported and enhanced creativity for the triple transition" n. 2 positions for Employees of the Parco Nazionale della Maiella on the research topics: "Paesaggi culturali del Maiella National Geopark, tutela e valorizzazione"; "Governo delle aree protette e processi di nuovo popolamento dei territori"
Admission requirements	See art. 2 PhD Call - Academic Year 2026/2027. In line with the academic objectives of the PhD programme, the degree classes required for admission are: LM-3 Architettura del paesaggio, LM-4 Architettura e ingegneria edile-architettura, LM-4 c.u. Architettura e ingegneria edile-architettura (quinquennale), LM-10 Conservazione dei beni architettonici e ambientali, LM-11 Scienze per la conservazione dei beni culturali, LM-12 Design, LM-23 Ingegneria civile, LM-24 Ingegneria dei sistemi edilizi, LM-35 Ingegneria per l'ambiente e il territorio, LM-48 Pianificazione territoriale urbanistica e ambientale, LM-49 Progettazione e gestione dei sistemi turistici, LM-53 Scienza e ingegneria dei materiali, LM-75 Scienze e tecnologie per l'ambiente e il territorio, LM-76 Scienze economiche per l'ambiente e la cultura, LM-89 Storia dell'arte, LM-92 Teorie della comunicazione, LMR/02 Conservazione e restauro dei beni culturali.

	3/S (specialistiche in architettura del paesaggio), 4/S (specialistiche in architettura e ingegneria edile), 10/S (specialistiche in conservazione dei beni architettonici e ambientali), 11/S (specialistiche in conservazione dei beni scientifici e della civiltà industriale), 12/S (specialistiche in conservazione e restauro del patrimonio storico-artistico), 13/S (specialistiche in editoria, comunicazione multimediale e giornalismo), 38/S (specialistiche in ingegneria per l'ambiente e il territorio), 54/S (specialistiche in pianificazione territoriale urbanistica e ambientale), 100/S (specialistiche in tecniche e metodi per la società dell'informazione), 101/S (specialistiche in teoria della comunicazione).
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 28th 2026 at 11:00 AM at Dipartimento di Architettura – “Aula Dottorato” situated in Campus of Pescara. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	EARTH AND PLANETARY SCIENCES
Coordinator	Prof. Giovanna Vessia Department: Engineering and Geology Email : g.vessia@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	GEOS-03/B - Geologia applicata GEOS-02/A - Paleontologia e paleoecologia 09/G2 – Bioingegneria GEOS-02/C - Geologia strutturale e tettonica 09/H1 – Sistemi di elaborazione delle informazioni 08/C1 – Design e progettazione tecnologica dell'architettura GEOS-04/B - Geofisica applicata GEOS-02/B - Geologia stratigrafica e sedimentologia 08/B2 – Scienza delle costruzioni ARCH-01/C - Civiltà dell'Italia preromana ed etruscologia PHYS-05/B - Fisica del sistema Terra, dei pianeti, dello spazio e del clima GEOS-02/C - Geologia strutturale e tettonica GEOS-04/A - Geofisica della Terra solida GEOS-03/A - Geografia fisica e geomorfologia GEOS-03/B - Geologia applicata ING-INF/01 – Elettronica PHYS-05/A - Astrophysics, Cosmology and Space Science
PhD Programme description	The PhD programme in Earth and Planetary Sciences, established within the INGENIUM European University Alliance, stems from the collaboration among the University “G. d’Annunzio” of Chieti-Pescara (UdA), Munster Technological University (MTU), Universidad de Oviedo (UNIOVI), and the University of Crete. Its aim is to train researchers capable of addressing the processes that shape the Earth and planetary bodies through digital, satellite, computational and AI-based technologies, while maintaining the central role of geological and planetary sciences. The programme promotes an integrated, quantitative and comparative approach that combines field, experimental, analytical and numerical methodologies applied to natural systems. Its goal is to understand the processes that shape surfaces, interiors, materials, resources, hazards and environments—from the microscopic scale of mineralogical reactions to the reconstruction of life, environmental and climatic changes, and planetary dynamics. Research topics include natural hazards, recycling and reuse of geological and industrial materials, environmental pollution, planetary interior structure and dynamics, evolution of life and environmental change, geology of human and robotic space exploration, planetary surfaces, regoliths, resources and terrestrial analogues, as well as the use of Earth Observation to monitor natural processes and hazards. The four universities bring together complementary expertise, maintaining continuity with classical geosciences and advancing toward innovative challenges. UdA contributes expertise in terrestrial and planetary geology, disaster observation through ground-based, IoT and satellite sensors, resource analysis, fossil studies, cultural

heritage monitoring, and geological interpretation of terrestrial and planetary surfaces for robotic and human exploration, site selection, trafficability and hazard assessment.

MTU provides expertise in satellite constellation modelling, orbital dynamics, data transmission, cybersecurity and data integrity, supporting the optimisation of Earth Observation data and the integration of satellite, aerial and in-situ measurements for geological, geomorphological, environmental and planetary applications.

UNIOVI contributes structural geology, terrestrial and planetary petrography, astrobiology, mapping and mineralogical characterisation of Martian and lunar regoliths, and exoplanet characterisation.

The **University of Crete** provides access to the Natural History Museum, with fossil and rock collections, and offers palaeontological collaboration on terrestrial analogues of planetary environments.

INGENIUM partners are part of the Academic Board and contribute to governance, scientific development and quality assurance of the programme. They participate in doctoral training through supervision and mentoring, courses, workshops, seminars, summer schools, international mobility and access to research infrastructures. They may also contribute to doctoral supervision through joint supervision agreements and, where appropriate, co-supervision arrangements aimed at awarding double or joint degrees. These agreements will be defined on a case-by-case basis, in accordance with the regulations of the institutions involved. Although not all partner universities provide direct financial support for the current cycle, their contribution strengthens the international, interdisciplinary and collaborative dimension of the programme and consolidates its integration within the European Higher Education and Research Area.

Research activities promote a vision of the Earth and planetary systems as interconnected natural laboratories, providing scientific foundations for resource sustainability, risk reduction, conservation of natural and cultural heritage, and space exploration. Interdisciplinary co-supervisions in engineering, computer science, architecture, aerospace and biomedical fields may be activated when functional to specific geological or planetary research questions.

Particular attention is devoted to the integration of satellite and in-situ observations, including remote and proximal sensing techniques, InSAR, multispectral imaging, laboratory imaging, geological and seismological surveys, palaeontological and geophysical investigations, to determine the origin and physical properties of geomaterials. Computed tomography and 3D morphological analysis will be employed to study extinct life forms, linking geological and biological records.

The PhD programme is conceived as an open and flexible framework capable of connecting geosciences, engineering, computer science, biology, environmental technology and data analysis, always within a structure guided by geological and planetary research questions. Complementary expertise in satellite observation, robotics, infrastructures, habitats and biometrics, materials and digital twins will enrich the programme while maintaining its geological core.

Programme Objectives

The international PhD in Earth and Planetary Sciences trains highly qualified researchers capable of addressing, in an interdisciplinary and innovative manner, the challenges related to terrestrial and planetary geology, Earth Observation, monitoring of the Earth system and natural disaster mitigation, characterisation of planetary surfaces and their resources, as well as the resilience of natural and built environments, in line with Agenda 2030, Horizon Europe and the National Research Plan. The programme maintains a clear geological identity: technological, engineering, computer-science, aerospace or biomedical skills are considered complementary and enabling, without replacing the core training in geological and planetary sciences.

Specific training objectives include:

1. Developing skills in integrating satellite and in-situ observations, remote sensing, laboratory imaging, and geological, seismological, palaeontological and geophysical investigations to characterise the origin, evolution and properties of terrestrial and planetary materials.
2. Using advanced techniques such as computed tomography and 3D morphological analysis to reconstruct the anatomy and functional evolution of extinct organisms and link geological and biological records.
3. Employing digital and satellite tools to improve data quality, transmission and interpretation for monitoring natural phenomena, hazards in inhabited environments, and terrestrial and planetary geological processes.
4. Developing interdisciplinary approaches across geosciences, engineering, biology, environmental technology, materials science and data analysis, with geosciences guiding interpretation and other disciplines supporting characterisation, modelling, monitoring and management of terrestrial and planetary systems.
5. Advancing modelling and simulation of satellite constellations, orbital dynamics, data transmission and signal latency, with reference to the production, management and validation of data relevant to Earth Observation, planetary geology and hazard monitoring.
6. Understanding communication and management of information flows between satellites, ground stations and sensors to ensure efficiency and continuity of observation networks applied to geological, environmental and planetary problems.
7. Addressing cybersecurity and data integrity through anomaly detection, error protection and tampering prevention, with attention to the reliability of geospatial, geological and environmental data used in scientific interpretations and operational decisions.

	8. Optimising Earth Observation data flows by integrating satellite, aerial and in-situ measurements for geological, geomorphological, environmental, hydrogeological and planetary mapping. 9. Analysing the evolution of past ocean ecosystems through integrated palaeontological and geological datasets. 10. Studying seismogenic faults and the evolution of Plio-Pleistocene basins in the Mediterranean using integrated approaches for seismic hazard and environmental change. 11. Developing next-generation seismotectonic models integrating seismogenic processes, active faults and advanced seismological, geodetic and multidisciplinary observations. 12. Analysing instability effects caused by high-energy earthquakes and floods using satellite data. 13. Characterising the mechanical behaviour of rocks and planetary analogues through laboratory tests, field tests and imaging. 14. Developing expertise in the geology of human and robotic space exploration, including site selection, trafficability, resource mapping, regolith characterisation, risk assessment and planning of surface infrastructures. 15. Understanding the role of geosciences in ISRU, in the design of planetary analogues, in the evaluation of local materials and in defining geological constraints for habitats, landing pads, rover routes, robotic systems and support infrastructures for exploration. 16. Selectively fostering interaction with engineering, architectural, aerospace, computer-science and biomedical expertise when necessary to address complex geological problems related to Earth Observation, planetary exploration, habitat protection and sustainability of future human and robotic activities in space.
Visiting period abroad	A mandatory international visiting period of at least 6 months is required. In the case of a scholarship funded by MTU, or if applying for a double degree, the mandatory international visiting period must be at least 12 months.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://www.ingeo.unich.it/home-earth-and-planetary-sciences-33591
Available positions	n. 4 positions of which: n. 2 positions funded by MTU (double degree) n. 1 position funded by UdA n. 1 position co-financed by the University (50%) and Infoteam (50%) on the topic: "Blue Intelligence from Space: AI-Enabled Earth Observation for Ocean Monitoring and Sustainable Marine Resources"

Admission requirements	See art. 2 PhD Call 42nd cycle - Academic Year 2026/2027. Where enrolment at a partner institution is required (e.g. for joint or double degree pathways), applicants must also satisfy the admission requirements and enrolment regulations of all participating universities. All Master's degree qualifications are admitted, provided that the candidate's academic background meets the skill requirements set out in the PhD programme objectives above.
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on-line on September 17th, 2026. All Candidates to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	ECONOMICS AND STATISTICS
Coordinator	Prof. Marco Di Marzio Department: Department of Socio-Economic, Managerial and Statistical Studies Email: marco.dimarzio@unich.it
Duration	3 years - Starting date: November 2 nd , 2026
Disciplines	Research area: 13 Scientific-disciplinary sectors (SSD): SPS/07, SECS-P/06, SECS-P/10, SECS-P/01, SECS-S/01, SECS-P/02, M-PED/03, SECS-P/07
PhD Programme description	The PhD Programme in Economics and Statistics trains researchers with advanced, interdisciplinary skills in economics and statistics, able to analyse major ongoing economic, technological, social and environmental changes. The programme focuses on sustainability, digital transition, innovation, artificial intelligence, methodological statistics and socio-economic data analysis. Its aim is to prepare highly qualified professionals able to use advanced quantitative methods to study complex systems and provide useful solutions for businesses, institutions, public bodies and research centres. A mandatory 3-month visiting period abroad is required.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa https://disegs.unich.it/home-economics-and-statistics-22317
Available positions	n. 6 positions of which:
	n. 2 scholarships funded by the University
	n. 2 positions for company employees (SATI S.P.A.) on the topic "Quantitative systems to support SATI S.P.A. mobility management"
	n. 2 positions for company employees (COMUNE DI PESCARA) on the topic "Quantitative tools to support local public policies of the Municipality of Pescara"
Admission requirements	See art. 2 of the PhD Call, 42 nd cycle - Academic Year 2026/2027
Language	Knowledge of English is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place in person on September 22nd, 2026 at 9:00 a.m. at the Department of Socio-Economic, Managerial and Statistical Studies - Pescara Campus, Room 3. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the date and time of the interview.

PhD Course in	ENGINEERING SCIENCE
Coordinator	Prof. Luigi Berardi Dipartimento: Ingegneria e Geologia email: luigi.berardi@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	IBIO-01/A (ex FIS/07); PHYS-06/A (ex FIS/07); GEOS-01/D (ex GEO/09); GEOS-04/A (ex GEO/10); CEAR-01/B (ex ICAR/02); CEAR-04/A (ex ICAR/06); CEAR-05/A (ex ICAR/07); CEAR-06/A (ex ICAR/08); CEAR-07/A (ex ICAR/09); CEAR-08/A (ex ICAR/10); IINF-05/A (ex ING-INF/05); IBIO-01/A (ex ING-INF/06); IIND-07/B (ex ING-IND/11)
PhD Programme description	The PhD in Engineering Science was established to provide training in technical-scientific research aimed at developing innovative knowledge and solutions in various fields of engineering, following a multidisciplinary approach within the current context of digital, environmental, and healthcare transitions. The program strengthens the synergy between traditional areas commonly found in international engineering doctoral programs—such as structures and infrastructure serving the built environment, together with the analysis of associated risks (seismic, hydrogeological, and coastal)—and more recent areas of innovation, including the study of sustainable materials, data analysis for engineering, imaging technologies, biomaterials, and biomechanics for biomedical engineering. The objective is to prepare doctoral candidates to develop innovative knowledge and solutions that will address major societal challenges in the fields of sustainable infrastructure design and management, resilience and preparedness for extreme events, as well as personalized solutions supporting individual health and well-being. This multidisciplinary education is complemented by specialized training within two curricula: “Engineering for Sustainable and Resilient Infrastructures” and “Engineering for Well-being and Health.” The curriculum in Engineering for Sustainable and Resilient Infrastructures covers topics of technical and scientific innovation related to the built environment, ranging from individual buildings to networked infrastructures at urban and regional scales, with particular emphasis on sustainability and resilience in relation to various forms of associated risk. The main research areas include: analysis, design, and safety assessment of modern and historical structures; geotechnical systems under natural and anthropogenic influences using different assessment scales (single-site, urban, and regional); building energy performance; analysis and management of hydraulic and coastal infrastructures in built environments; innovative technologies for civil engineering; modeling and testing of materials and structures; advanced experimental investigations and laboratory testing on soils and rocks; and the analysis and development of sustainable construction materials. The curriculum in Engineering for Well-being and Health focuses on the development of innovative knowledge and solutions to support human well-being and health. A multidisciplinary approach serves as the methodological foundation for the development of new knowledge, processes, and products across a wide range of fields, including advanced diagnostics, robotics, biomaterials, biomechanics, rehabilitation, telemedicine, and assisted ambient living. To this end, technological opportunities are combined with

	training in topics of direct relevance to biomedical engineering, such as data analysis, advanced signal and image processing, and human-machine interaction. The educational pathway and each research project carried out by doctoral candidates in Engineering Science integrate physics-based system modeling with experimentation and the opportunities offered by artificial intelligence applied to the various areas of interest within the PhD program, while maintaining a pragmatic engineering approach to solving real-world problems. Accordingly, research is encouraged on topics that aim to generate new knowledge and translate it into process and product innovations with a direct impact on society and industry. Training and research activities are conducted in university laboratories or in collaboration with public and private sector partners. The PhD program supports collaborations with research institutions and foreign universities, including those currently involved in international research projects directly coordinated by members of the Doctoral Board, as well as cooperation agreements both within and outside Europe that are active within the Department of Engineering and Geology. Doctoral candidates are required to undertake a minimum six-month period of training and research abroad.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://www.ingeo.unich.it/home-dottorato-in-engineering-science-16535
Available positions	n. 7 positions of which: n. 1 scholarship funded through research funds (100%) (ConnectToBrain – CUP D54I18000270006), on the topic “Development of computational methods for estimating brain activity and connectivity states from non-invasive electrophysiological data” n. 1 scholarship funded through research funds (100%) (FISA SMARTER-ASD – CUP D73C22002250001), on the topic “Design of artificial intelligence algorithms for the longitudinal and multimodal analysis of data acquired during neonatal follow-up for neurodevelopmental disorders screening” n. 1 scholarship funded through research funds (100%) (FISA SMARTER-ASD – CUP D73C22002250001), on the topic “Design of artificial intelligence algorithms for the analysis of multimodal data acquired in neonatology and neonatal intensive care units” n. 1 position co-funded by the University (50%) and research funds (FISA MASONRY SURGEON-BOT – CUP D53C25000580005) (50%), on the topic “Computational modelling and experimental validation of the nonlinear response of masonry strengthened through robotic interventions” n. 1 position co-funded by the University (50%) and research funds (SKINPULSE – CUP B83C22002940006) (50%), on the topic “Performance and cognitive state monitoring in operational scenarios and human-machine interaction” n. 1 position co-funded by the University (50%) and research funds (BIM2IN – CUP D93C24001760006; CUP I18C22000050006; CUP J83D22000490001) (50%), on the topic “Scan-to-BIM Methodologies for Surveying, Information Modelling and Enhancement of Cultural Heritage” n. 1 scholarship funded by Now Vision S.r.l., on the topic “Digital Twin for construction site monitoring”

Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027 Applicants are required to possess an adequate background in the core subjects of engineering, together with knowledge in fields directly related to Civil and Building Engineering or Biomedical Engineering, corresponding to the two curricula of the PhD programme.
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 17th, 2026, at 10.00 a.m. in Room 38 situated in Campus of Pescara. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	ENGLISH STUDIES
Coordinator	Prof. Anna Enrichetta Soccio Department: Lettere, Arti e Scienze Sociali (Humanities and Social Sciences) Email : enrichetta.soccio@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	English, English Literature, Art and Culture ANGL-01/A (ex L-LIN/10) ANGL-01/C (ex L-LIN/12) CEAR-11/B (ex ICAR/19)
PhD Programme description	The PhD course in “English Studies” is aimed at students interested in the acquisition of critical and cognitive tools that enable them to carry out specialized research in the field of English literature and linguistics, as well as in the cultural and disciplinary areas that may refer to them. In particular, the PhD course will develop disciplinary competences in the following areas of study: and research: 1) English Linguistics; 2) Adaptation Studies; 3) English Media and Accessibility; 4) Studies on Multilingualism and Varieties of English; 5) History of the English Language; 6) English Stylistics; 7) EAP and ESP; 8) Multimodal Discourse Studies in English; 9) ELT, TESL and TEFL; 10) Theories and methods of Literary Discourse; 11) Shakespeare and the Elizabethan Drama; 12) Theatre Studies from 17 th to 21 century; 13) Victorian and Edwardian Studies; 14) Modernism and Postmodernism; 15) Postcolonial Literatures; 16) Migration Studies; 17) Anglo-Italian Studies; 18) History of British Art and Architecture; 19) Cultural Studies; 20) Arts and Crafts; 21) Law and Literature. PhD students are required to spend a study and research period of at least 3 months abroad.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa https://www.dilass.unich.it/englishstudies
Available positions	n. 7 positions of which: n. 2 positions funded by the University n. 5 positions reserved to employees (maintaining their salary) as follows: n. 1. “Tionis srls” on the topic: "New Technologies, AI and Social Media in International Institutional Communication"; n. 1 “Abruzzo Innovatur” on the topic: “Strategic Design for Heritage, Cultural Tourism and Territorial Development through the Grand Tour”; n. 1 “Maco srl” on the topic: “New AI Challenges for Cultural Heritage: Innovation in a Multicultural Context”; n. 1 “Tribunale di Chieti” on the topic: “La donna: da priorità a oggetto economico nella società ottocentesca. L’impatto del diritto di proprietà delle condizioni di coniuge e della qualità di erede sulla vita della donna alle soglie del XIX secolo”; n. 1 “Istituto di Istruzione Superiore “Luigi Savoia” di Chieti” on the topic: “Teaching Physics through English in the Age of AI: Digital Pedagogies and STEM Innovation in the Italian Scientific High School”.
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge (advanced level) is required

Date publication pre-Selection	September 14 th , 2026
Exam date	The oral exam will take place on 18.09.2026 at 10.00 a.m. at the Department of Humanities and Social Sciences, Chieti Campus, room 3. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	GEOSCIENCES
Coordinator	Prof. Nicola Sciarra Department: SCIENCE Email: nicola.sciarra@unich.it
Duration	3 years - Starting date : November 2 nd 2026
Disciplines	GEOS-02/B; GEOS-03/C; GEOS-03/A; GEOS-03/B; GEOS-01/A; GEOS-01/B; GEOS-01/C; GEOS-04/A; GEOS-04/B
PhD Programme description	This Ph.D. project covers wide themes of the Earth Sciences in order to contribute to the definition of a researcher who can be competitive in numerous branches of scientific research and in the professional field. The general platform of the project includes topics covering natural and man-made environments, related hazards (geo-hydrological risk, seismic hazard and risk, seismic microzonation, environmental risk), geo-resources, and planetary geology. In this context, it is possible to develop specific doctoral topics capable of generating scientific and applicative spin-offs in line with an increasingly complex society. The research activity follows a first period of basic training, developing collaborations with research institutions and foreign universities that will allow doctoral students to eventually obtain Italian and foreign degrees (in co-tutorship) and possible additional certification as Doctor Europaeus or International Doctorate. The research topics will include: Applied Geology and Geomorphology, Hydrogeology, Multiscale Tectonics and 3D Seismotectonics, Planetary Sciences, Environmental and Cultural Heritage Protection, Geostatistics and Computational Modelling. Geology and Geomorphology applied to environmental management, today as never before are the basis for interconnected interdisciplinary research ranging from the current climatological analysis to that of the entire Quaternary compared to the Anthropocene, to the study of new geo-environmental hazard matrices compared with anthropogenic ones, to geological and geo-hydrological hazard assessment. This research approach is aimed at defining new visions of spatial planning related to short and long-term climate change impacts and the definition of adaptation strategies. The topics are approached with innovative and interconnected methodologies and technologies: from classical geomorphological ground surveying to digital and satellite mapping, to the assessment of natural susceptibilities with numerical and local seismic response modelling. The Geo-hydrological theme consists of the interrelationships between supply, circulation and emergence in aquifers as a function of meteorological, hydrological, hydrogeological and hydro-chemical experimental parameters; quantitative and qualitative implications on hydrodynamics, water chemistry and vulnerability of karst, fissured and porous aquifers also with the help of numerical analysis, mathematical modelling, hydrogeological mapping, subsurface geophysical exploration and interpretation of meteorological Radar data. The theme of Multiscale Tectonics and 3D Seismotectonics focuses on the study of tectonic deformation at regional and local scales, the genesis and evolution of orogenes and fault systems, the relationships between earthquakes and active, Quaternary and inherited geological structures, on earthquake source mechanisms and seismic hazard. Ph.D. students participating in the Planetary Sciences path will gain a comprehensive understanding of planetary geology through characterization of potential planetary

	analogues, remote sensing, theoretical modelling, planetary physics, astrobiology, spacecraft instrumentation and space mission development. The program provides the skills needed to participate in the dynamic space industry both in Europe and internationally. Current and future space missions include objectives as diverse as Mercury, Venus, Mars, asteroids, comets and other parts of the outer Solar System, gas giant planets and their satellites, to Kuiper Belt objects. The Environment and Cultural Heritage theme focuses on environmental problems and resources combined with the preservation of cultural heritage, from geotourism to archaeometry, from pollution mitigation to the characterization of geo-complex materials or materials of archaeological or historical and artistic value. Scientific methodology is directed toward tools and new raw materials and sustainable processes for the purposes of ecological transition, green technology and the transition away from fossil fuels. This theme enables the development of the ability to analyse all kinds of materials from minerals to pigments, glasses, alloys, ceramic and high-tech materials as well as even hazardous ones such as asbestos and microplastics. During the PhD, a stay abroad of at least 3 months is expected, in universities or research institutions
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://scienze.unich.it/node/8731
Available positions	n. 3 positions of which: n. 1 scholarship funded by the MATE Research Centre at the University of Chieti-Pescara (contact: Prof. Enrico Miccadei) on the topic: "Geomorphological hazards in central Italy: innovative research methodologies for the study of tectonic-eustatic variations" n. 1 scholarship funded by the INGV (contact: Prof. Rita De Nardis) on the topic: High-resolution seismic catalogues based on machine learning techniques, from the national to the local scale: validation, scalability and identification of variations in the tectonic regimes. n. 1 scholarship funded by the MUR Defens-Fis2 Project CUP D53C24005460001 (50 %) and the remainder by the (INGV_Piac_FRANE project) (50%) on the topic: Characterisation of surface processes and the segmentation of active faults along the Apennine range (Italy): an integrated geological-structural and geomorphological approach within the DEFENS project
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 29th, 2026 at 10:00 a.m. in the Department of Science – Building ex Rettorato IV floor situated in the Univerity Campus. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	HUMAN-CENTRED ARTIFICIAL INTELLIGENCE: FOUNDATIONS AND APPLICATIONS
Coordinator	Prof. Gianpiero Monaco Department: Economics Email : gianpiero.monaco@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	All disciplines belonging to Area 1: Mathematical and Computer Sciences, Computer Engineering, Environmental Technical Physics, Mathematical Methods for Economics and Actuarial and Financial Sciences, Statistics, Statistics for Experimental and Technological Research, Social Statistics, Psychometrics, Neuropsychology and Cognitive Neurosciences, General Psychology, and Cellular and Applied Biology.
PhD Programme description	The PhD Programme in “Human-Centred Artificial Intelligence: Foundations and Applications” is embedded within the framework of the INGENIUM Alliance of European Universities and it is developed in close collaboration with its partner institutions, fostering an integrated European environment for doctoral education, research, and innovation. In addition to the institution formally involved in the co-funding of the current doctoral cycle, namely Munster Technological University (MTU, Ireland), the programme benefits from the active participation of several partner universities within the INGENIUM Alliance, including the University of Oviedo (UNIOVI, Spain), Karlsruhe University of Applied Sciences (HKA, Germany), Gheorghe Asachi Technical University of Iași (TUIASI, Romania), South-Eastern Finland University of Applied Sciences (Xamk, Finland), and the University of Skövde (HiS, Sweden). Representatives of these institutions are members of the PhD Board and contribute to the programme’s governance, scientific development, and quality assurance processes. They actively support doctoral training through supervision and mentoring activities, participation in doctoral courses, workshops, seminars, and summer schools, as well as by promoting international mobility opportunities and facilitating access to research infrastructures. Furthermore, INGENIUM partner universities may participate in the supervision of doctoral candidates through joint supervision agreements and, where appropriate, cotutelle arrangements aimed at awarding a double or joint doctoral degree. Specific agreements will be defined on a case-by-case basis, in accordance with the regulations of the institutions involved. Although some universities may not provide direct financial support for the current doctoral cycle, their contribution significantly strengthens the programme’s international, interdisciplinary, and collaborative character, enhancing its integration within the European Higher Education and Research Areas. The PhD Programme is a joint international programme of advanced education and research dedicated to the design, development, analysis, and evaluation of Artificial Intelligence (AI) systems that are aligned with human values, needs, and capabilities. It has been established in response to the rapid evolution of AI technologies and the growing awareness that technical performance alone is not sufficient: intelligent systems must also be transparent, trustworthy, explainable, fair, usable, and socially responsible. The programme combines the scientific foundations of Artificial Intelligence—including machine learning, automated reasoning, multi-agent systems, optimization, natural language processing, computer vision, computational social choice, data mining, knowledge

	representation, robotics, planning, and data-driven methodologies—with interdisciplinary approaches drawn from human-computer interaction, cognitive science, biology, ethics, psychology, and the social sciences. It therefore promotes the integration of principles, methodologies, and technologies from a wide range of disciplines, including computer science, mathematics, physics, robotics, biology, medicine, and cognitive sciences. The programme also encourages research on human–AI interaction, immersive and collaborative technologies, cognitive and creative AI models, and applications in domains such as healthcare, biology, digital transformation, sustainability, public governance, and democratic participation. Research activities are organized around several major thematic areas: theoretical foundations of human-centred AI, applications of human-centred AI, trustworthy and responsible AI, human–AI interaction, cognitive and creative AI, AI for health and global challenges, technological resilience, and democratic futures. Research projects are characterized by methodological rigor, scientific innovation, and a strong focus on the social and institutional relevance and impact of AI technologies. The programme operates within a collaborative research environment that brings together expertise primarily from computer science, while also involving engineering, logic and mathematical analysis, physics, biology, economics, and psychology. This environment fosters interdisciplinary dialogue and the development of scholars capable of contributing to the advancement of responsible, trustworthy, and human-centred AI systems. The educational pathway adopts an international co-supervision model, including mobility across partner institutions and potential collaborations with public and private international partners. All activities are oriented towards open innovation, technology transfer, and societal impact, in line with the priorities of the United Nations 2030 Agenda for Sustainable Development. A mandatory international visiting period of at least 6 months is required. In the case of a scholarship funded by MTU, or if applying for a double degree, the mandatory international visiting period must be at least 12 months.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa https://www.dec.unich.it/home-human-centred-artificial-intelligence-foundations-and-applications
Available positions	n. 4 positions of which: n. 2 funded by the University. n. 2 funded by Munster Technological University (MTU).
Admission requirements	See art. 2 PhD Call 42nd cycle - Academic Year 2026/2027 Where enrolment at a partner institution is required (e.g. for joint or double degree pathways), applicants must also satisfy the admission requirements and enrolment regulations of all participating universities.
Language	English language knowledge is required
Date publication pre-Selection	September 14, 2026
Exam date	The oral examination will be held remotely on September 17th, 2026 . Admitted candidates will be contacted by email by the Selection Committee, which will provide the link and the scheduled time for the oral examination.

PhD Course in	INNOVATIVE STRATEGIES FOR WELLBEING
Coordinator	Prof. Francesca Ferri Department: Dipartimento di Neuroscienze, Imaging e Scienze Cliniche Email : francesca.ferri@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	Biological, psychological, physical, computer, and engineering sciences.
PhD Programme description	The PhD program in "Innovative Strategies for Wellbeing" stems from the collaboration between the University "G. d'Annunzio" of Chieti-Pescara (UdA, Italy), Munster Technological University (MTU, Ireland), and South-Eastern Finland University of Applied Sciences (XAMK, Finland), three partners of the INGENIUM European Alliance. Its aim is to train researchers capable of addressing emerging challenges in the fields of physical and mental wellbeing, public health, and prevention through an integrated, interdisciplinary, and innovative approach. In a global context marked by demographic aging, the rise of chronic degenerative diseases, environmental impacts, and changes in lifestyle models, promoting wellbeing is a strategic priority for the sustainability of healthcare, social, and economic systems. The program offers an integrated approach combining life sciences, neuroscience, genetics, digital technologies, behavioral sciences, psychology, artificial intelligence, and environmental sciences. A central element is the study of the exposome—the totality of environmental exposures an individual encounters throughout life—and its relationship with dynamic biological and behavioral responses that can be measured in real time. Using wearable sensors, biochemical patches, biomarkers, omics and digital technologies, it will be possible to collect multidimensional data in real or simulated environments to identify personalized risk or resilience profiles, develop predictive models, and support targeted interventions. The PhD program emphasizes the study of complex interactions among biological, environmental, and psychological factors, with particular attention to cognitive, emotional, and behavioral responses to stress and environmental stimuli. The goal is to understand the mechanisms that promote resilience, stress regulation, quality of life, and healthy lifestyles, also through evidence-based behavioral and environmental strategies. The three universities contribute complementary expertise: "G. d'Annunzio" University focuses on the neurophysiological, genetic, and psychological characterization of wellbeing; Munster Technological University develops personalized sensors, cyber-physical systems, IoT architectures, and AI algorithms for integrated data analysis; South-Eastern Finland University of Applied Sciences conducts experiments on environmental and behavioral interventions, studying the effects of nature, urban environments, and immersive technologies on cognitive and emotional wellbeing. The educational path adopts an international co-supervision model, with mobility across institutions, access to specialized laboratories, and collaborations with public, industrial, and healthcare partners. All activities are oriented towards technology transfer, open innovation, and social impact, in line with the priorities of the 2030 Agenda, the Horizon Europe program, and the National Research Plan. The project aims to train a new generation of scientists equipped to tackle human wellbeing challenges with advanced scientific tools, systemic vision, and personalized

	intervention strategies, contributing to the transformation of prevention services and the sustainable improvement of health and quality of life. As part of the doctoral programme, all doctoral candidates are required to undertake an international mobility period of at least 3 months. For doctoral candidates holding a scholarship funded by Munster Technological University (MTU), as well as for those intending to obtain the joint double degree awarded by the Università degli Studi "G. d'Annunzio" di Chieti-Pescara (UdA) and Munster Technological University (MTU), the minimum mobility period at the partner institution is 12 months, in accordance with the provisions of the Double Degree Agreement.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa; https://www.dnisc.unich.it/home-innovative-strategies-for-wellbeing-25987
Available positions	n. 4 positions of which: n. 1 scholarship funded by the University n. 1 scholarship funded by the University (50%) and the project ConnectToBrain ERC-2018-SyG CUP D54I18000270006 (50%) on the topic "Advanced methods for monitoring and modulating brain networks in wellbeing research" n. 1 scholarship funded by Munster Technological University (MTU, Ireland). 1 scholarship funded by South-Eastern Finland University of Applied Sciences (XAMK, Finland).
Admission requirements	See art. 2 PhD Call 42nd cycle - Academic Year 2026/2027 All Master's degree qualifications are accepted. Where enrolment at a partner institution is required (e.g. for joint or double degree pathways), applicants must also satisfy the admission requirements and enrolment regulations of all participating universities.
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral examination will be held remotely on September 17th, 2026, at 11:00 AM CEST. Candidates will be contacted via email by the Committee, which will provide the link.

PhD Course in	INNOVATIVE TECHNOLOGIES IN CLINICAL MEDICINE & DENTISTRY
Coordinator	Prof. Sergio Caputi Department: Dipartimento di Tecnologie Innovative in Medicina & Odontoiatria Email: scaputi@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	MED/04, MED/07, MED/08, MED/14, MED/17, MED/20, MED/24, MED/28, MED/35, MED/42, MED/50, CHIM/08, BIO/12, BIO/13, BIO/14, BIO/16, BIO/17.
PhD Programme description	The aim of the Doctoral course is to identify multidisciplinary biomedical research methodologies that allow the analysis of the pathogenesis, diagnostic and prognostic pathways and the therapeutic approach of various clinical syndromes. The course aims to train professional researchers with specific technical skills on the topics proposed by the doctoral course, but also with relational and cultural skills that allow them to properly express themselves in any field of clinical research at national and international level, responding perfectly to the new highly specialized profiles required by the job market. The major aims proposed by the Doctoral Course are: - development and testing of innovative therapies in the treatment of oral pathologies and systemic diseases - evaluation of the therapeutic efficacy of the Regenerative Medicine in the repair, regeneration and replacement of cells / tissues / organs to restore compromised physiological functions - study of cellular signaling related to the regulation of biological functions as a platform for the development of new therapeutic approaches. - evaluation of the clinical advantages and surgical performance associated with the minimally invasive / robotic surgical approaches in complex surgical procedures. A mandatory visiting period abroad of 3 months is required.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://www.dtimmo.unich.it/node/7623
Available positions	n. 11 positions of which: n. 1 scholarship funded by the University (50%) and BioGaia (50%) on the following research topic "Antimicrobial and Immunomodulatory Activity of New Biotics" n. 1 scholarship funded by the University n. 1 scholarship funded by the University (25%) and FIS-2023-01297 CUP: D53C25002030001 dal Titolo "Innovative, natural-based, antioxidant, spring water composite membrane for oral health (75%) on the following research topic "3D organotypic models, oral cavity, and biofilms for the evaluation of innovative formulations" n. 1 scholarship funded by the University (25%) and FIS-2023-01695 - CUP: D53C25000750001 dal titolo "Developmental toxicity of Endocrine Disruptors: innovative omic-based approaches (75%) on the following research topic "Innovative omics technologies for the study of endocrine disruptor toxicity on neurodevelopment" n. 3 positions reserved to employees (maintaining their salary) of the ASL 03 Pescara divided as follow:

	- n. 2 positions for “Innovative technologies in the biomedical sciences” - n. 1 position for “Inflammaging and frailty in elderly people”
	n. 3 positions reserved to employees (maintaining their salary) of the ASL 02 Lanciano-Vasto-Chieti divided as follow: - n. 2 positions for “Innovative technologies in the biomedical sciences” - n. 1 position for “Innovative methodologies in preventive medicine”
	n. 1 position reserved to employees (maintaining their salary) of the Health Progress Italia srl on the following research topic “Integrated development of botanical nutraceutical ingredients: from advanced selective extraction to biological validation”
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 21th 2026 at 11.00 a.m. situated in the Aula 40, Building A/NPD, Campus of Chieti, Via dei Vestini, 31- Chieti Scalo – or in remote on Microsoft Teams platform if chosen by the candidate. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

Corso di Dottorato	KINESIOLOGY
Coordinatore	Prof. Maurizio Bertollo Dipartimento: DIPARTIMENTO MEDICINA E SCIENZE DELL'INVECCHIAMENTO e-mail: maurizio.bertollo@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Area di ricerca	2,5,6,11
Disciplines	MEDF-01/A (M-EDF/01), MEDF-01/B (M-EDF/02); PSIC-01/B (M-PSI/02); BIOS-03/B (BIO/08), BIOS-10/A (BIO/13), PHYS-06/A (FIS/07), MEDS-05/A (MED/09), MEDS-19/A (MED/33), MEDS-19/B (MED/34), MEDS-26/A (MED/48), MEDS-08/C (MED/49),
PhD Programme description	The interuniversity doctoral research program in Kinesiology is activated at the University G. d' Annunzio of Chieti and Pescara in association with the University Niccolò Cusano with a general agreement for cooperation with the University of Thessaly and the University of Rouen-Normandie and many other international opportunities for mobility and lab experience. The PhD program aims to develop a solid research training in the field of Kinesiology, which is defined as an academic subject that examines physical movement and its effects on "health, society, and quality of life". The PhD in Kinesiology uses evidence-based research to improve movement and performance and to treat and prevent injury and disease. In particular, the program is devoted to enhancing the understanding of the processes and mechanisms underlying the development, maintenance, and improvement of human motor behavior and performance. We use a multimodal and multidisciplinary approach that combines the Sciences and the Humanities perspectives to understand how physical activity, exercise, and sport may contribute to human well-being and health, and how to optimize human performance in any field of life (e. g. well-being and health, sport, art, job). The areas of research include the broad domain of biological, physiological, biomechanical, behavioral, and psychosocial factors influencing human movement, and the analysis of social and cultural transformations related to the role and functions of physical activity in health, well-being, sport, and physical education. Moreover, it will cover specific fields such as chronic disease prevention, exercise and brain aging, and rehabilitation. In the framework of the current theories of Kinesiology, the PhD program addresses questions regarding perception, cognition, and action, how brain, body and behavior interact and develop during the lifespan in different settings. The specificity of our approach resides in the integration of behavioral, biological, and psychological data with functional brain monitoring, respectively performed with biomechanical, biomedical, and psychophysical methods. The international vocation of the PhD is expressed in the involvement of foreign universities and the development of an international training network at a doctoral level, providing opportunities for students' exchange and mobility. Students will be trained in planning and accomplishing original projects inspired by the principles of hypothesis-driven and evidence-based research, grounding teaching, and the Interpretative Phenomenological Analysis. The PhD program will provide students with:

	– Key theoretical and applied expertise to engage in and carry out high quality research activities in academic, private, and public sectors. – original projects motivated by hypothesis-driven and evidence-based principles, grounding teaching, as well as Interpretative Phenomenological Analysis. – Precisely, the PhD program will provide a high-level training in the following areas: – Planning, executing, and reporting research projects and results based on a proficient understanding of scientific literature, conventional and advanced methodologies, experimental designs, and protocols. – Mastering of physiological, biological, psychological, pedagogical, and methodological research techniques using innovative tools and techniques, and their application to various experimental models. – Use of psychophysiological and kinesiological tools for data collection. – Use of statistical packages for the management, transformation, and analysis (i.e., qualitative, and quantitative methods) of experimental data in physiological, biological, psychological, pedagogical, and methodological research. – Development of essential communication skills, including scientific writing and oral dissemination. – Understanding of the essential research organizational streams of funding and protection of intellectual property, including international and national funding systems, metrics of evaluation for scientific productions, and policies for the exploitation of research results. – Enhanced knowledge and awareness of what comprises both physical and mental health, and their connection to physical activity. – Development of healthy lifestyle habits to promote overall wellness. – Understanding the principles for the improvement of motor skills and the development of muscle strength. – Improving one's understanding of human kinetics. – Improving health and physical activity in connection to specific diseases.
Period abroad	At least 6 months abroad in an academic or research lab
website	https://www.scuolasuperiore.unich.it/offerta-formativa https://www.dmsi.unich.it/dottorato/dottorato-di-ricerca-chinesiologia-phd-program-kinesiology
Available positions	n. 7 positions detailed as follow n. 2 position funded by the University n. 2 positions funded by Ateneo Nicolò Cusano Roma n. 1 position for industrial doctorate reserve for Mapei Sport's employees to investigate: <i>Hamstring Muscle Profiling in Athletes: Integrating Strength, Architecture, Biomechanics and Neuromuscular Control for Performance and Injury Prevention</i> n. 1 position for industrial doctorate reserved for CEFIRR's employees to investigate: <i>Biomechanical and Neuromuscular Mechanisms Underlying Human Movement and Postural Control</i> n. 1 position not funded
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027

Foreing languages	English
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place in English on September 18th, 2026 at 9 a.m. on the TEAMS platform. (The link will be provided directly to the candidates after the closure of the application)

PhD Programme	LEGAL SCIENCES FOR SUSTAINABILITY, GREEN TRANSITION AND INNOVATION
Coordinator	Prof.ssa Vera Fanti Department of Legal and Social Sciences e-mail: vera.fanti@unich.it
Duration	3 years – Course start date: 02/11/2026
Research area	12
Relevant scientific disciplinary sectors	GIUR-01/A – Private law GIUR-02/A – Commercial law GIUR-03/A – Economic law GIUR-04/A – Labour law GIUR-05/A – Constitutional and public law GIUR-06/A – Administrative ad public law GIUR-08/A – Tax law GIUR-09/A – International law GIUR-12/A – Civil procedure law GIUR-17/A – Philosophy of law
Brief description	The PhD Programme in Legal Sciences for Sustainability, Ecological Transition and Innovation is characterised by the integrated application of methodologies and approaches drawn from various relevant disciplinary fields to interdisciplinary topics and of cross-cutting interest, which concern the common sphere of legal issues relating to sustainability, ecological transition and innovation. These are themes that cut across and permeate various fields of private and public law, both national and international, and which also have philosophical and legal implications. At first the course will seek to highlight the role of private law as a tool for improving environmental quality and managing the changes associated with the development of new technologies, with a view to redefining the fundamental categories of contract and consumer law, as well as the system of civil liability, and also property and the traditional theory of goods in a more modern, inclusive framework aimed at promoting social utility and the functionalisation of certain entities. In the same vein, the role of private law in protecting and promoting the range of legal situations closely linked to the concept of the person and social formation will take center stage; these are essential references in the legal framework of sustainability, ecological transition, and technical, scientific and regulatory innovation. In commercial law, the topics of study and research will primarily concern corporate sustainability and the impact of the activities of companies and their partners across the entire value chain on human rights and the environment. Within this framework, the topics of benefit corporations, corporate social responsibility, the so-called ESG factors and green finance will be explored in depth, amongst other things, and the implications of national and supranational legislation, such as the Directive on the disclosure of non-financial information and the proposed European Directive on corporate due diligence for sustainability purposes, will be assessed. In the field of labour law, research will be carried out considering the constant evolution of the discipline and the transformation undergone by organisational models of production and work. The topics covered will include changes in the labour market, the effects of the

	dematerialisation of work – including with regard to working hours and place of work – multi-level regulatory developments concerning new forms of platform-based work, the environmental dimension of labour and employment protection, and the development of more inclusive industrial relations systems – including transnational ones – geared towards the protection of labour, global supply chains, economic, social and employment transitions, and the adaptation of social protection systems in a sustainable and universal manner. With regard to public law issues – and, therefore, with reference to administrative and constitutional law – consideration will be given to ecological transition processes and the related developments in technological innovation tools, with particular regard to the healthcare sector. As is well known, these instruments have a profound impact on the structures and forms of intervention of the public sector in the economy and in environmental protection policies in their various aspects, and they call for a renewed scientific examination of new strategies and forms of public intervention in the economy, the system of integrated policies within the EU and global contexts, the form of governance of States within the framework of EU institutions, the protection of individual rights, and the processes of wealth redistribution with a view to equality and social and territorial cohesion. In the field of tax law, research will be driven by the need to modernise and align the financial and tax State systems with their objectives, by reshaping the welfare sector, rationalising public expenditure, orienting tax systems towards ecological transition and environmental sustainability, and by modernising and streamlining the procedures for tax collection, taxpayers' obligations and the mechanisms for monitoring and combating tax evasion. From the perspective of international law and of the European Union, the focus of the analysis will be the issue of environmental sustainability, which has taken on increasing importance in recent decades and now constitutes a central pillar for both the international community and the EU, where the so-called 2019 Green Deal has placed the issues of ecological transition, climate neutrality, resilience to climate impacts and the energy transition at the heart of European policies up to 2050.
Research period abroad	A period of at least 3 months spent abroad as a visiting scholar is required.
PhD website	https://www.scuolasuperiore.unich.it/offerta-formativa https://www.dsgs.unich.it/home-scienze-giuridiche-per-la-sostenibilit-la-transizione-ecologica-e-linnovazione-19449
Competitive positions open	Total of n. 7 positions of which: n. 2 scholarships funded by the University. n. 2 positions for Chieti-Pescara Chamber of Commerce, Industry, Crafts and Agriculture staff, on the following topics: - Artificial Intelligence and relations between Chambers of Commerce and enterprises; - Chambers of Commerce and territorial development. n. 2 positions for Pescara City Council staff, on the topic of “sustainability, ecological transition and innovation”. n. 1 position for an employee of ASL No. 2 Lanciano-Vasto-Chieti on the topic: “Telemedicine: technological innovation, legal compliance and managerial responsibility – the PNRR M6C1 case and implementation in Local Health Authorities.
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027.
Foreign languages	Knowledge of English is required.

Date of publication of pre-selection results	September 14 th , 2026
Examination procedures and timetable	The oral examination will take place in person on 01.10.2026, at 10.00 a.m. at the Department of Legal and Social Sciences (room to be confirmed) – Pescara Campus, Viale Pindaro 42 – 65127 Pescara. For candidates residing abroad, the oral examination may be conducted remotely (via Microsoft Teams platform) upon request.

PhD Course in	NEUROSCIENCE AND IMAGING
Coordinator	Prof. Carlo Sestieri Department: Neuroscience, Imaging and Clinical Sciences E-mail: carlo.sestieri@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	Bioengineering, Medical Genetics, Psychiatry, Neurology, Neurosurgery, Child Neuropsychiatry, Neuroradiology, Applied Physics, General Psychology, Neuropsychology, Cognitive Neuroscience, Psychometrics
PhD Programme description	The PhD in Neuroscience and Imaging at the University of Chieti-Pescara is an interdisciplinary program that integrates physics, engineering, medicine, and psychology to study the nervous system. By combining multimodal neuroimaging, cognitive neuroscience, genomics, and artificial intelligence, the program trains researchers to bridge the gap between basic research and clinical application. Designed for careers in academia, industry, and healthcare, the course emphasizes translational innovation, international mobility, and the development of advanced technical and professional skills to address the complexities of modern precision medicine. A 3-month period of visiting research abroad is mandatory.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://www.dnisc.unich.it/home-dottorato-in-neuroscience-e-imaging-5923
Available positions	n. 5 positions of which: n. 1 position funded by the University n. 1 position co-funded by the University (50%) and the Institute of Advanced Biomedical Technologies (50%) on the theme: "Computational models, advanced imaging techniques, and innovative methodologies for clinical sciences" n. 1 position funded by the Project "Departments of Excellence 2023-2027" (CUP: D57G22000370001) on the theme: "Computational models, neuroimaging techniques, and development of innovative methodologies in neuroscience." n. 1 position funded by the Project "Departments of Excellence 2023-2027" (CUP: D57G22000370001) on the theme: "Translational approaches and clinical-cognitive characterization in clinical and behavioral neuroscience." n.1 position without scholarship
Admission requirements	See art.2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge is required
Date publication pre-Selection	September 14, 2026
Exam date	The oral exam will take place starting on September 24, 2026, at 9:00 AM , via a remote connection on Microsoft Teams. Depending on the number of candidates, the oral exams may be extended over several days; a schedule for the oral exams will be set in alphabetical order by the candidates' surnames and will be published in advance on the website of the Scuola Superiore, Gabriele d'Annunzio University of Chieti and Pescara.

PhD Course in	PSYCHOLOGY
Coordinator	Prof. Luca Tommasi Department: Department of Psychology Email : luca.tommasi@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	General Psychology, Neuropsychology, Cognitive Neuroscience and Psychometrics; Developmental and Educational Psychology; Social, Work and Organizational Psychology; Clinical and Dynamic Psychology
PhD Programme description	The Ph.D. Course in Psychology is an innovative higher education ecosystem characterized by a double educational policy: scientific and applied. It aims to train professional profiles of excellence in terms of research, application and public engagement, in all fields of Psychology. The Course aims to develop a problem-solving culture, based on the enhancement of personal skills, creativity and learning, in the direction of both scientific discovery in the sciences of mind and behaviour, and application innovation in its professional, societal and technological potential. The educational path of the PhD programme is divided into two main training areas: 1) Theoretical paradigms in psychology, research methods and instruments, techniques of data analysis; 2) Applications of psychology. Other teaching modules and seminars will be available, covering advanced topics in research (methodology; data analysis; general principles for the treatment of data; ethics of research), scientific writing, project writing and management, public communication, intellectual property, scientific entrepreneurship and other core skills crucial for scientific activity and technological and societal transfer. Each student will agree on a personalized training path, which will run in parallel with the acquisition of a solid basic training, and will be immersed in an educational and cultural ecosystem in which the human and material resources useful to undertake both the scientific and the applied project will be available. The flagship of the Course is the full availability of access to the Human Behavior Laboratory of the Department of Psychology, which has a rich endowment of equipment for cognitive, behavioral and neuropsychological research (E-Prime, EEG, tES, eye-tracking, biofeedback, Facial expression recognition, etc.). RESEARCH AREAS <i>General Psychology/ Neuropsychology and Cognitive Neuroscience/ Psychometrics:</i> The research themes in the fields of <i>General Psychology, Neuropsychology, Cognitive Neuroscience and Psychometrics</i> are focussed on the study of the mind and human behaviour also in relationship with the environment, by means of the experimental method, the investigations on the neural substrates and the psychometrical modelling of the mechanisms of perception, cognition, emotion and personality. The laboratories are endowed with advanced technologies for the study of human behaviour, with instruments for neuroimaging and the collection of physiological indices, neuromodulation devices, and the main software tools for data analysis and formal modelling of the phenomena investigated. For example, some research fields concern the study of memory processes and the interaction between memory and emotion (also with respect to healthy and pathological ageing), perceptual and attentional mechanisms for processing objects and social entities (including their neural bases), as well as the

development of tools for measuring psychological constructs, also for diagnostic purposes. The application potentials expressed by these areas concern health-related repercussions (e.g. cognitive training, treatment of cognitive and affective dysfunctions, neurostimulation), the study of the determinants of situated perception and cognition (for example, design of environments and artefacts, sensory analysis) or the realization of tests useful for quantifying psychological constructs.

Developmental And Educational Psychology: The research line of the field of *Developmental and Educational Psychology* deals with analyzing how individual and environmental factors interact in contributing to the different development trajectories in a longitudinal perspective from childhood to adulthood, in typical and at-risk populations. Individual development is explored through an observational, behavioural and neurophysiological multi-method approach, creating connections between different subject fields. The laboratories are equipped with cutting-edge technologies that allow to collect and analyze behavioural, physiological and neural data on individuals of all ages. The studies are carried out in collaboration with health, education and territorial structures, creating connections between scientific evidence and possible applications aimed at improving the health of individuals and the services aimed at them.

Social, Work And Organizational Psychology: The research lines in the various thematic areas of *Social, Work and Organizational Psychology*, are developed with the aim of promoting advanced training on basic social psychological processes (processes and contents of social knowledge, attitudes, interpersonal relationships, group processes and social influence, intergroup relationships) and complex cognitive functions within cultural and organizational contexts, knowledge of the different theoretical paradigms adopted in the field of Social, Work and Organizational Psychology, and the development of competence as regards quantitative and qualitative laboratory and field investigation methods. The studies, characterized by a high application value, are carried out in partnership with various organizational realities at national and international level, creating a mutual enrichment between the academic world and diversified professional contexts, aiming at the joint enhancement of well-being at work and performance.

Clinical And Dynamic Psychology: The research lines of *Clinical and Dynamic Psychology* are aimed at the analysis of the interactions between psychological, relational and environmental factors in determining the conditions of health, pathology and discomfort at a mental and physical level. Functional and dysfunctional processes are explored according to a hub-and-spoke model with specific insights into issues concerning adaptation problems, critical life span conditions, psychopathological mental processes and their behavioural and psychobiological correlates. The psychological dynamics depending upon all of these factors, and the related experiences and representations of the self, intrapsychic processes and interpersonal relationships, are analyzed starting from the recognition of the subjective value of psychic experience and the unconscious dimensions of the mind. The topics are studied from an interdisciplinary perspective in connection with scientific fields (research laboratories of neurobiology, psychophysiology and microbiology) and neighbouring clinical fields (medical-specialist clinics). The applicative effects therefore range from the traditional sectors of scientific dissemination (publications, conferences, web) to the implementation of new clinical-therapeutic protocols.

	A mandatory international research visit of at least three months is required, although a duration of six months is strongly recommended.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://dipsi.unich.it/ricerca/phd-psicologia
Available positions	n. 6 positions of which: n. 1 scholarship funded by University n. 1 scholarship co-funded by the University (50%) and the Master's Programme in "Psychology of Parenting" (50%) n. 2 positions reserved for employees of Createck S.C.A. R.L. on the research topic: <i>"Human Behavior Analytics for Organizational Well-Being"</i> n. 2 positions reserved for employees of Wonderlab S.R.L. on the research topic: <i>"Transfer of Learning and CE MDR/DTx Standards for Software Targeting Developmental Cognitive Deficits"</i>
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 17th, 2026 at 09:00 AM in remote mode on the Teams platform. Candidates will be contacted by email by the Evaluation Committee to define the date and time of the interview.

PhD Course in	SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT
Vice-Coordinator	Prof. Bruna Sinjari Department of Innovative Medicine & Dentistry e-mail: bruna.sinjari@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	Atmospheric Physics, Climatology, Geophysics, Environmental Technical Physics, Building Technique, Design, Urbanistics, Odontostomatological Diseases, Applied Biology, Histology, Pharmacology, General And Inorganic Chemistry, Organic Chemistry, Business Administration, Science of Finance
PhD Programme description	The main objective of the PhD course in Sciences and Technologies for Sustainable Development is to train professional profiles that integrate sustainability skills with the technical abilities required by specific functions, through transdisciplinary training for the acquisition of new skills for the environmental, economic and social aspects of sustainable development in line with the sDGS of the UN 2030 agenda. The course is established on the following three lines: 1) Climate, Energy and Urban System focused on education on the basic knowledge of climate change and increasing pollution and on the research of their impacts on ecosystems and on the territory. Moreover, energy transition, decarbonisation of the economy, smart cities and urban planning. Finally, on mitigation and adaptation to climate and environmental changes. 2) Circular Economy focused on training to accelerate the transition to the circular economy through the innovation of production models of goods and services of companies, businesses and local authorities and awareness of responsible consumption. 3) Health and Social Inclusion focused on training on the impact of climate, environmental, urban and economy changes on human health, migration, community inclusion. During the three years of the PhD, research periods of at least 6 months abroad are required.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://www.dtim.unich.it/didattica/dottorati-di-ricerca/science-and-technology-sustainable-development
Available positions	n. 6 positions of which: n. 1 scholarship funded by the University n. 1 scholarship co-financed by the University (25%) and FIS-2-01297 Project, CUP: D53C25002030001 (75%) on the research topic: Biomaterial–Microbiome–Immune Crosstalk in Oral Regeneration n. 1 scholarship co-financed by the University (25%) and FIS-2-01297 Project CUP: D53C25002030001 (75%) on the research topic: "Design of Natural Bioactive Composite Membranes Enriched with Antioxidants and Spring Water for Oral Tissue Regeneration " n. 1 scholarship funded by DG Impianti Industriali SpA on the research topic: 'Efficient, safe and low-cost storage of hydrogen for infrastructure on the Moon and Mars'
	n. 1 scholarship funded by ASI CUP F73C26000510001 on the research topic: "Development of innovative means based on Hydrated clathrates and graphene materials

	for high-security, low-cost hydrogen storage for planetary infrastructure according to the ISRU approach”
	n. 1 position reserved to employees (maintaining their salary) involved in high qualification activities (industrial doctorate) at the Terme di Saturnia SpA on the research topic: “Development of Novel Thermal Water–Peptide Formulations for Regenerative Medicine and Healthy Longevity Applications”
Admission requirements	Taking into account the educational objectives of the course, is required a Master degree in one of the following subjects: Architecture, Design, Urban and Environmental Planning, Biology, Biotechnology; Conservation, Restoration of Architectural and Environmental Heritage, Archaeology, History of Art and Antiquity; Pharmacy and Industrial Pharmacy; Finance; Physics; Computer Science; Aerospace Engineering, Biomedical Engineering, Chemistry Engineering, Civil Engineering, Building Engineering, Automation, Telecommunications, Electrical Engineering, Energy and Nuclear Engineering, Computer Science, Environment and Territory Engineering; Languages, Linguistics; Mathematics; Medicine and Surgery; Mathematical-Physical Modelling for Engineering; Dentistry and Dental Prosthetics; Design and Management of Tourism Systems; Materials Science and Engineering; Chemical Sciences; Economics; Natural Sciences; Human Nutrition Sciences; Food Science and Technology; Science and Technology of Industrial Chemistry; Geological, Geophysical, Environmental and Territorial Sciences; Economic and Business Sciences.
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on 22/09/2026 at 10:00 AM Università ‘G d’Annunzio’ Campus of Chieti, via dei vestini, 31, at Department of Innovative Technologies in medicine and dentistry, Building A, Council room DTIMO. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	SOCIAL SCIENCES
Coordinator	Prof. Mara Maretti Department: Department of Philosophical, Pedagogical and Social Sciences Email: mara.maretti@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	ERC areas: SH3 – The Social World and Its Interactions; SH2 – Institutions, Governance and Legal Systems; SH5 – Texts and Concepts. Scientific Disciplinary Sectors (D.M. 639/2024): GSPS-05/A – General Sociology; GSPS-06/A – Sociology of Culture and Communication; GSPS-07/A – Political Sociology; GSPS-07/B – Sociology of Law and Deviance; GSPS-08/A – Economic Sociology and Sociology of Work; GSPS-08/B – Sociology of Environment and Territory; PHIL-05/A – History of Philosophy; GIUR-05/A – Constitutional and Public Law; GIUR-13/A – Criminal Procedure; BIOS-06/A – Physiology.
PhD Programme description	The PhD Programme in Social Sciences stems from the conviction that the social sciences, and sociology in particular, are today an essential tool for grasping and analysing the drivers of ongoing change: digitalisation and the rise of artificial intelligence, ecological and demographic transitions, new forms of inequality, the reconfiguration of the public sphere and of participation processes, and the evolution of deviance and crime. To this end, the Programme combines a solid theoretical background with full command of research methods and techniques, providing doctoral candidates with all the tools needed to carry out national and supranational empirical investigations across the wide range of fields specific to the complex systems of the contemporary social sciences. Anchored in the theoretical assumptions and methodologies of the sociological disciplines, the Programme constantly engages in dialogue with the other social sciences, such as anthropology, psychology, contemporary history, history of philosophy, law and political science; its main thematic areas concern social change, forms of deviance and crime, historical-philosophical and political processes, the media and the public sphere, and the methodology of social research. The Programme aims to build, through a multi- and interdisciplinary approach, a cultural profile of highly qualified scholars and professionals in the social sciences, able to work critically through sociological, criminological, political-science and statistical knowledge, together with specific historical-philosophical, anthropological and legal competences. The Programme fosters the integration of theoretical sociological reflection with current emerging problems, promoting innovative research paths that experiment with models of analysis attentive to social, cultural and technological change, and an applied knowledge of the social sciences, understood also as forms of practical knowledge. Teaching is organised into core courses, shared across the three curricula and devoted to the theoretical, methodological and ethical foundations of social research; curriculum-specific courses; and seminar series with external Italian and international experts. A common thread devoted to digitalisation, artificial intelligence and the platform society runs through all three curricula. The Programme comprises three curricula: 1) Sociology and Methodology of Social Research, devoted to advanced methods and techniques for observing, measuring and interpreting social phenomena, from traditional to digital data; 2) Crime, Security and

	Social Change, focused on deviance, crime, insecurity and control policies, including their emerging forms in the digital environment; 3) Philosophy and Historical Interpretations of Social and Political Phenomena, addressing the historical-philosophical roots of contemporary society and the transformation of its categories in the face of technological innovation. PhD students are followed by scientific tutors and, at the end of each year, present the results of their research to the Academic Board, subject to the tutor's approval, during a dedicated public dissemination event. The Programme has a strong international vocation: the Academic Board includes professors from foreign universities, and the course encourages international co-tutelle agreements and the additional Doctor Europaeus certification, alongside the compulsory period of study and research abroad of at least 6 months. Collaboration with companies, institutions and third-sector organisations further roots the research in applied contexts. Career opportunities include academia and research, roles in public administration and governance, positions in the fields of security and social control, communication and institutional relations, social innovation, the third sector and teaching.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa; https://www.dsgr.unich.it/home-dottorato-di-ricerca-in-social-sciences-13260
Available positions	n. 5 positions of which: n. 2 scholarships funded by the University n. 2 positions reserved for employees of Fondazione Caritas dell'Arcidiocesi di Pescara-Penne ETS – industrial PhD, with salary maintained – on the topic “Plural poverties in contemporary society. The role of Observatories and the relationship between needs assessment and the social dimension” n. 1 position without scholarship
Admission requirements	See art. 2 of the PhD Call – 42nd cycle, Academic Year 2026/2027.
Language	Knowledge of English, or of another language (French, German or Spanish) consistent with the topic of the research project, is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place on September 28th, 2026, at 10.00 a.m., in Aula B, Lettere building, Chieti Scalo Campus. Candidates who request to take the oral exam remotely will be contacted via email by the Commission to define the procedures for carrying out the test.

PhD Course in	TRANSLATIONAL MEDICINE AND IMMUNO-ONCOLOGY
Coordinator	Prof. Prof.ssa Antonia Patruno Department: Department of Medicine and Aging Sciences Email : antonia.patruno@unich.it , dmsi@unich.it
Duration	3 years - Starting date: November 2 nd 2026
Disciplines	BIO/09, BIO/13, BIO/14, BIO/16, MED/06, MED/09, MED/12, MED/13, MED/17, MED/26, MED/30, MED/34, MED/38, MED/40, MED/45
PhD Programme description	The PhD Program in Translational Medicine and Immuno-Oncology is a three-year multidisciplinary training program falling within CUN areas 05 and 06, administratively based at the Department of Medicine and Aging Sciences. The program is taught primarily in Italian and features an enriched curriculum including lectures, seminars, and scientific activities in English, fostering the internationalization of the program and the integration of doctoral students into international research networks. The aim of the PhD is to train highly qualified researchers capable of integrating biological, biotechnological, and clinical knowledge to address the major challenges of contemporary medicine. Immuno-oncology represents one of the most advanced fields of translational medicine, in which an understanding of the molecular mechanisms of carcinogenesis and of tumor-immune system interactions translates into the development of innovative biomarkers, personalized therapies, and next-generation immunotherapeutic strategies. The program is distinguished by the adoption of innovative teaching and research methodologies, based on the integration of experimental and clinical activities following both bench-to-bedside and bedside-to-bench approaches. Doctoral students will acquire advanced competencies in omic technologies, precision medicine, biomedical big data analysis, artificial intelligence applied to research, and the use of preclinical and clinical models, developing an interdisciplinary perspective oriented toward innovation and the transfer of knowledge into clinical practice. A mandatory period abroad of at least 3 months is required.
PhD Website	https://www.scuolasuperiore.unich.it/offerta-formativa ; https://www.dmsi.unich.it/dottorato/dottorato-di-ricerca-medicina-traslazionale-e-immuno-oncologia-phd-program-translational
Available positions	n. 10 positions of which: n. 2 positions funded by the University n. 4 industrial PhD positions reserved for employees engaged in highly qualified research activities (industrial PhD with salary retention) at ASL Pescara on the following topics: • Integration of point-of-care indices, imaging, and thrombo-inflammation markers in the prediction of acute thrombotic syndromes (n. 2 positions) • Empowerment in the prevention of work-related stress among healthcare workers • Motivation among students in healthcare profession degree courses

	n. 1 industrial PhD position reserved for employees engaged in highly qualified research activities (industrial PhD with salary retention) at ASL 02 Lanciano-Vasto-Chieti on the following topic: "Patient safety culture among healthcare professionals" n. 1 position co-funded by the University (50%) and the Istituto Superiore di Sanità (50%) on the topic "Study of the molecular mechanisms responsible for the synthetic lethality relationship between microsatellite instability status in tumors and loss of function of the WRN protein: identification of key proteins, biomarkers relevant for therapeutic choice, and potential resistance mechanisms" n. 1 position co-funded by the University (50%) and Revalfarma S.r.l. (50%) on the topic "New frontiers in nutraceuticals: development of innovative dietary supplements for the control of hypercholesterolemia" n. 1 position co-funded by the University (50%) and BIOVITAE COMPANY (50%) on the topic "Development of an innovative protocol for monitoring environmental microbial load using flow cytometry and artificial intelligence"
Admission requirements	See art. 2 PhD Call 42 nd cycle - Academic Year 2026/2027
Language	English language knowledge is required
Date publication pre-Selection	September 14th, 2026
Exam date	The oral exam will take place in person on September 30th, 2026, at 10:00 am in the Conference Room of the CAST – Chieti Campus, Via Luigi Polacchi. Candidates who wish to take the oral exam remotely will be contacted by the Committee via email to define the date and time of the interview.