

PhD Programme in CIVIL ENGINEERING AND ARCHITECTURE	
DISCIPLINARY SCIENTIFIC AREAS	08 - CIVIL ENGINEERING AND ARCHITECTURE; 04 - EARTH SCIENCES; 07 - AGRICULTURAL AND VETERINARY SCIENCES; 09 - INDUSTRIAL AND INFORMATION ENGINEERING; 11 - HISTORICAL, PHILOSOPHICAL, PEDAGOGICAL AND PSYCHOLOGICAL SCIENCES; 13 - ECONOMICAL AND STATISTICAL SCIENCES
COORDINATOR	PROF. FRANCESCO VIOLA
HEAD DEPARTMENT	DEPARTMENT OF CIVIL, ENVIRONMENTAL ENGINEERING AND ARCHITECTURE
DURATION	3 YEARS
LEARNING OUTCOMES AND RESEARCH TOPICS	<p>The PhD in Civil Engineering and Architecture puts the built environment and the territory at the centre of scientific interest, intended as a complex research field comprising the historical and contemporary built systems, road and hydraulic infrastructures, the environment and the natural and human-made landscapes, with particular attention to the relationships among environment, economy and society. The vast field of investigation promotes an interdisciplinary vision of the problems and topics addressed, and favours the integration between fundamental and applied research.</p> <p>Within this wide field of research, the primary objective of the PhD programme is to promote the training in research and the acquisition of methods and tools for conducting research projects, together with the ability to teach courses at the level of higher education. Particular attention is paid to the consolidation of the autonomous elaboration capacity of original research programs on the topics of the Doctorate.</p> <p>The PhD also pursues technical and operational objectives, consistent with possible professional connotation of the disciplines of civil engineering and architecture, in which fundamental research is combined with applied research, with notable social repercussions. These objectives aim to strengthen the capacity of the PhD students to identify the existing relationships and interconnections between the engineering, architectural, technological, environmental, economic and social dimensions.</p> <p>For the development of doctoral research, the PhD promotes laboratory activities on engineering, architectural, technological, environmental, economic, and social aspects connected with the construction and integration of construction works, road and hydraulic infrastructures, natural water systems and soil defence systems.</p> <p>The PhD has a strong international characterisation, provides for extended periods of research and study abroad, maintains collaborations and establishes co-supervision and <i>cotutelle</i> agreements with scholars and institutions abroad. Following the signing of agreements with École Nationale Supérieure d'Architecture de Toulouse and Université Bordeaux Montaigne, the Doctorate offers the option for the respective PhD students to undertake joint educational paths, with the consequent release of the double degree.</p> <p>The advanced knowledge and skills acquired during the doctoral course, and the constant stimulus deriving from the interdisciplinary context that characterises the Academic Board, contribute to the formation of PhD graduates, capable of addressing complex problems concerning transformations of the territory in its broadest sense, compatibly with a sustainable development of the environment, the prevention and mitigation of natural risks and the sustainable use of natural resources.</p>
ELIGIBILITY AND OTHER REQUIREMENTS FOR	EVERY ITALIAN 2ND CYCLE DEGREE (LAUREA MAGISTRALE/SPECIALISTICA/VECCHIO ORDINAMENTO) AND EQUIVALENT AND

CANDIDATES (ART. 2 - NOTICE OF COMPETITION)	SUITABLE FOREIGN ACADEMIC DEGREES
ADMISSION TESTS FOR CANDIDATES APPLYING FOR THE ORDINARY POSITIONS	<p>ASSESSMENT OF QUALIFICATIONS AND CURRICULUM VITAE, AND IN-PERSON INTERVIEW</p> <p>The interview is aimed at verifying the candidate's ability to sustain arguments within the main study areas of the doctorate, and his/her analysis, elaboration and communication skills, as well as his or her aptitude for research.</p> <p>The interview will mainly focus on the presentation and discussion of the three-year research project proposed by the candidate, in order to evaluate the adequacy of the profile with regard to the ability to orient oneself in the main areas of study inherent to the doctorate, preparation in the disciplinary scope of the project, aptitude for scientific research and linguistic knowledge.</p> <p>The candidate will also be asked to discuss a three-year research project, which must be submitted, using the specific Annex C, in addition to the documents required in art. 3 of the notice of competition, within the deadline (file name: research_project_surname_name).</p> <p>Candidates unable, for justified reasons, to take the interview at the established venue, may be granted the possibility of carrying it out by videoconference, on the same date and time established for face-to-face interviews, according to the procedure indicated in the notice of competition.</p>
ADMISSION TESTS FOR FOREIGN CANDIDATES APPLYING FOR THE RESERVED POSITION	<p>ASSESSMENT OF QUALIFICATIONS AND CV, ONLINE INTERVIEW</p> <p>The interview is aimed at verifying the candidate's ability to sustain arguments within the main study areas of the doctorate, and his/her analysis, elaboration and communication skills, as well as his or her aptitude for research.</p> <p>The candidate will also be asked to discuss a three-year research project, which must be submitted in addition to the documents required in art. 3 of the notice of competition (certificate attesting the award of a 2nd level foreign degree needed to access a PhD programme, including exams and marks, with a translation in Italian or English; certificate attesting the award of a 1st level foreign degree, including exams and marks, with a translation in Italian or English; signed Curriculum Vitae preferably in EU format, in English or Italian; two-sided coloured scanned copy of a valid passport, with a clear photo), within the deadline.</p> <p>Reference letters (up to 3) must be written in English, using the form available on the webpage https://web.unica.it/unica/en/studenti_s01_ss05.page (How to apply for PhD selection: Guidelines and forms- Annex D), by a university professor or an expert in the research fields of the PhD programme, on letterhead of their institution, dated and signed. Evaluators will send their letters directly to the email address phdcall_referenceletter@unica.it (object: surname and name of the candidate being evaluated and name of the PhD programme for which he/she is applying).</p>
POSITIONS	10, 2 of which without scholarship, and 1, with scholarship, reserved for a foreign candidate with a 2nd level degree awarded abroad
SCHOLARSHIPS	<p>8:</p> <ul style="list-style-type: none"> - 1 funded by the University of Cagliari (funds from Regional Law no. 7 of 7.8.2007, allocated to the University pursuant to Regional Council Resolution no. 45/84 of 27.11.2024) – CUP F23C24001130002 - 1 funded with funds from the Department of Civil, Environmental Engineering, and Architecture (agreement with MetalWorking) - 6 funded with funds from PR FSE+ 2021-2027 (PNR 2021-2027 research and innovation area: Humanistic culture, creativity, social transformation, inclusive society; Security for social systems; Digital, industry, aerospace; Climate, energy and sustainable mobility - S3 Specialisation Area: ICT; Tourism, culture and environment; Smart networks for efficient energy management): <ul style="list-style-type: none"> • 3 on Line A, reserved for university female and male graduates under 35 years at the time of application

	<ul style="list-style-type: none">• 3 on Line B, reserved exclusively for university female graduates under 35 years at the time of application
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