

DOCTOR OF PHILOSOPHY (PHD) PROGRAMME IN "Information Technologies for Engineering"	
Coordinator: Prof Luigi Glielmo, glielmo@unisannio.it	
Interested applicants are encouraged to contact the coordinator for information on the curricula and the disciplinary areas	
FACULTY & ADMINISTRATION	Dipartimento di Ingegneria [Department of Engineering]
DURATION	3 years (36 Months)
CURRICULA	a) Information Technology b) Energy and Environment
Scientific/Academic Disciplinary Fields (SSD)	09/E - ELECTRICAL ENGINEERING, ELECTRONICS AND MEASURES 09/F –TELECOMMUNICATIONS AND ELECTROMAGNETIC FIELDS ENGINEERING 09/G - SYSTEMS ENGINEERING AND BIOENGINEERING 09/H - COMPUTER SCIENCE AND ENGINEERING 08/A - INFRASTRUCTUREAND TERRITORIAL ENGINEERING 08/B - STRUCTURAL AND GEOTECHNICAL ENGINEERING 08/F - PLANNING AND URBAN AND TERRITORIAL DESIGN 09/B - MANUFACTURING, PLANT AND MANAGEMENT ENGINEERING 09/C - ENERGY, THERMO-MECHANICAL AND NUCLEAR ENGINEERING 09/D - CHEMICAL AND MATERIALS ENGINEERING

AVAILABLE POSITIONS (26)

Ordinary positions (8)	Ordinary positions with scholarship granted by University of Sannio (6)	N. 3 for curriculum a) N. 3 for curriculum b)
	Ordinary positions without scholarship (2)	N. 1 for curriculum a) N. 1 for curriculum b)
Positions with additional scholarship funded by the Department of Engineering (5)	Positions with scholarship funded by the Department of Excellence (specific research topics)	N.2
	Positions with scholarship funded by the AFarCloud Project (specific research topics)	N.2 - <i>The additional positions with funded by the AFarCloud Project will be activated only if really funded by the MIUR</i>
	Positions with scholarship funded by the RFI "Rete Ferroviaria Italiana, S.p.A." RESEARCH TOPIC: <i>Testing and analysis of safety-critical software systems in the railway sector</i>	N.1

Positions* with additional scholarship funded by PON RI FSE-FESR 2014-2020 "Innovative PhD Program with Industrial Characterization" (3)	RESEARCH TOPIC: Development and implementation of innovative decision and control algorithms for automatic machines	N. 1	* The additional positions with scholarship will be activated only if really founded by the MIUR.
	RESEARCH TOPIC: Study of techniques of artificial intelligence for the improvement of production ergonomics and enhancement of production activities	N. 1	
	RESEARCH TOPIC: SOEVI - Energy optimization strategies for hybrid vehicles	N.1	
Positions* with additional scholarship funded by POR CAMPANIA FSE 2014-2020 "PhD Program with Industrial Characterization" (5)	RESEARCH TOPIC: Innovative algorithms for the estimation of the arrival direction in automotive RADAR systems	N. 1	* The additional positions with scholarship will be activated only if really founded by the Campania Region. <u>Candidate who wants to compete for the aforementioned type of position must necessary have been born in Campania Region and / or must be resident in it</u>
	RESEARCH TOPIC: Seamless V2n Communication on Broadband Wireless Hybrid Networks with Software Defined Network approach, for traffic optimization and Railway Transport Infrastructure Management	N. 1	
	RESEARCH TOPIC: Development of innovative methodologies for the extraction of features on urban areas, from remote sensing data, for applications of environmental sustainability in the context of risk analysis and management, territorial planning and local development	N.1	
	RESEARCH TOPIC: Nearly/Net Zero Energy Building: innovative multifunctional solutions for the new design and for the energy requalification of the existing building heritage	N.1	
	RESEARCH TOPIC: Digital Footprint of Artworks	N.1	
Reserved Positions (5)	Position* reserved for holders of scholarships from foreign countries	N. 2	* To participate in the selection for this position candidates must declare to possess the documentation concerning the scholarship of which they are holders
	Position reserved for employees of Italian Public Research Centres/Institutions, engaged in activities requiring high qualifications (with salary maintenance)	N. 2	
	Position without scholarship reserved for graduates from foreign universities	N. 1	

<p>Programme Entry Requirements</p>	<p>Italian graduate degree obtained under the system/laws prior to Min Decree 509/99</p> <p>Italian second level specialisation degree (“laureaspecialistica”)</p> <p>Italian second level (Master equivalent) graduate degree (“laureamagistrale”)</p> <p>Foreign graduate degree equivalent to Italian second-level degree in the following fields:</p> <p>LM-17 Physics LM-18 Computer Science LM-20 Aerospace and Aeronautical Engineering LM-21 Biomedical Engineering LM-22 Chemical Engineering LM-23 Civil Engineering LM-24 Building Systems Engineering LM-25 Automation Engineering LM-26 Safety Engineering LM-27 Telecommunications Engineering LM-28 Electrical Engineering LM-29 Electronic Engineering LM-30 Energy and Nuclear Engineering LM-31 Management Engineering LM-32 Computer Engineering LM-33 Mechanical Engineering LM-34 Naval Engineering LM-35 Environmental and Territorial Engineering LM-40 Mathematics LM-44 Physical-Mathematical Modelling for Engineering LM-53 Materials Science and Engineering LM-54 Chemical Sciences LM-66 Information Security LM-91 Techniques and methods for the Information Society</p>		
	<p>Evaluation of Qualifications, Curriculum vitae and Oral Test</p>		
<p>Selection-Admissions: Policies & Procedures</p>	<p>Evaluation of Qualifications</p>	<p>Upto 40 points</p>	<p>✓Curriculum vitae with appropriate certification attesting exams taken and related marks/grades (up to 30 points); ✓Other (up to 10 points):</p> <ul style="list-style-type: none"> o letters of reference; o motivation letter; o publications; o other training and/or research activities undertaken.
	<p>Interview</p>	<p>Up to 60 points</p>	<p>The interview will last approximately 30 mins. Applicants are invited to prepare a presentation, of up to 15 mins, also including the use of audiovisual media, on a research topic that is consistent with the specific curriculum or disciplinary area chosen. Applicants should prepare one presentation for each curriculum/disciplinary area for which they have applied.</p> <p>Candidates would need to achieve a minimum grade of 30/60 in the interview in order to pass the oral test.</p> <p>Candidates’ English language skills and proficiency will also be evaluated on this</p>

			<p>occasion.</p> <p>The interview may be conducted via "<i>teleconference</i>" for foreign applicants not residing in Italy or for Italian applicants where circumstances so warrant, which should be justified based on appropriate documentation.</p>
Selection-Admission Tests: Schedules	Oral Test Interview	<p>Oral test dates, times and venues will be announced by way of a notice published on the University website at: http://www.unisannio.it/it/studente/laureato/dottorato-di-ricerca</p> <p>no later than 9 October 2018</p>	
Selection-Admission Test Topic	<p>Topic theme to be chosen by the candidate from among those covered by the PhD Programmedisciplinary areas. For each specific curriculum/disciplinary areachosen, the candidate must identify and illustrate a specific research pathway.</p>		
Address for submitting application and supporting documentation	<p>Ufficio "Segreteria e Protocollo" [Secretariat and Protocol Office], Università degli Studi del Sannio [University of Sannio], Complesso Immobiliare denominato "Palazzo San Domenico", Piazza Guerrazzi, no 1 – 82100 Benevento.</p>		