

<b>DOCTOR OF PHILOSOPHY (PHD) PROGRAMME IN "Information Technologies for Engineering"</b>	
Coordinator: Prof Luigi Glielmo, <a href="mailto:glielmo@unisannio.it">glielmo@unisannio.it</a>	
Interested applicants are encouraged to contact the coordinator for information on the curricula and the disciplinary areas	
<b>FACULTY &amp; ADMINISTRATION</b>	<b>Dipartimento di Ingegneria [Department of Engineering]</b>
<b>DURATION</b>	3 years (36 Months)
<b>CURRICULA</b>	a) Information Technology b) Energy and Environment
<b>Scientific/Academic Disciplinary Fields (SSD)</b>	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 (25)

<b>Ordinary positions (8)</b>	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)
<b>Positions with additional scholarship funded by the Department of Engineering (8)</b>	Positions with scholarship funded by the Department of Excellence and RFI "Rete Ferroviaria Italiana, S.p.A."	N.4
	Positions with scholarship funded by the BIT4ID Project (specific research topics)	N.3
	Position with scholarship funded by the COMP4DRONES project	N. 1

<b>Reserved Positions (5)</b>	Position* reserved for holders of scholarships from foreign countries	N. 2	<i>* To participate in the selection for this position candidates must declare to possess the documentation concerning the scholarship of which they are holders</i>
	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	
<b>4 (four) additional positions (PON-FSC)*, which will be activated only if covered by a scholarship, following possible financing by the MUR- Ministry of University and Research</b>	<p><b>TOPICS</b></p> <ul style="list-style-type: none"> <li>• Modelization, Realization and Characterization of Thin-Films for Application in Optics and Metrology;</li> <li>• Development of Point-of-Care Platforms for Mass Screening Based on Optical Fibre Active Probes;</li> <li>• Models and Algorithms for Control and Optimization of Energy Communities;</li> <li>• Measurements for Precision Agriculture through Unmanned Systems</li> </ul>	N.4	<i>* The additional position will not be activated without a scholarship (in the event of lack of funding by the MUR, Ministry of University and Research). For more information on this type of scholarship, please see the notice available at the following link: <a href="http://www.ponricerca.gov.it/media/395889/m_piaoodpfsregistro-decreti-r-000123330-07-2020.pdf">http://www.ponricerca.gov.it/media/395889/m_piaoodpfsregistro-decreti-r-000123330-07-2020.pdf</a></i>

<b>Programme Entry Requirements</b>	<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</p>

	LM-53 Materials Science and Engineering LM-54 Chemical Sciences LM-66 Information Security LM-91 Techniques and methods for the Information Society		
<b>Selection-Admissions: Policies &amp; Procedures</b>	Evaluation of Qualifications, Curriculum vitae and Oral Test		
	Evaluation of Qualifications	Upto 40 points	✓Curriculum vitae with appropriate certification attesting exams taken and related marks/grades (up to 30 points); ✓Other (up to 10 points): <ul style="list-style-type: none"> <li>o letters of reference;</li> <li>o motivation letter;</li> <li>o publications;</li> <li>o other training and/or research activities undertaken.</li> </ul>
<b>Selection-Admission Tests: Schedules</b>	Oral Test Interview	Oral test dates, times and venues will be announced by way of a notice published on the University website at: <a href="http://www.unisannio.it/it/studente/laureato/dottorato-di-ricerca">http://www.unisannio.it/it/studente/laureato/dottorato-di-ricerca</a>	
<b>Selection-Admission Test Topic</b>	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.		