

PhD Course: INFORMATION ENGINEERING			
Curricula	<ul style="list-style-type: none"> BIOENGINEERING INFORMATION SCIENCE AND TECHNOLOGY 		
Department	INGEGNERIA DELL'INFORMAZIONE - DEI		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 15	<p>1 scholarship funded by Agenzia per la Cybersicurezza Nazionale - ACN - Topic: MAKEUP: Models to counteract the spread of deep-fakes and for the detection of visual contents produced by generative AI (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Agenzia per la Cybersicurezza Nazionale - ACN - Topic: Secure and Resilient Underwater Wireless Networks (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Amped S.r.l. - Topic: Detection and use of artificial intelligence for multimedia forensics (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Topic: Improving user experience in immersive media (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi FISA (Fondo Italiano per le Scienze Applicate) - Progetto PIQCS - Topic: Development of a Quantum Key Distribution system on integrated optics (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi FISA (Fondo Italiano per le Scienze Applicate) - Progetto PIQCS - Topic: Development of a Quantum Key Distribution system on integrated optics (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI in parte su fondi Progetto H.Y.D.R.A. - Hydrogen Yield and Distributed Reporting Apparatus, Avvisi pubblici per la selezione di progetti di ricerca nel settore dell'idrogeno (PNRR - M2-C2/ Investimento 3.5) (fino al 30/06/2026) e in parte su fondi Prof. Pozzebon/Prof. Trivellin - Topic: Study of distributed measurement systems for monitoring gases in critical environments from the point of view of environmental conditions (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi Infineon - Prof. Narduzzi - Topic: Study of failure modes related to power management in automotive applications and development of real-time techniques to support system-health analysis</p>

			<p>(curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi MULTIVERSE - Topic: Multidimensional Encoding for Quantum Key Distribution (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi Prof. Meneghini - Topic: Characterization and Modeling of Power GaN Transistors (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi dell'Unione Europea relativi al progetto ERC StG 2023 – MiMETIC, Project n. 101116135 - Topic: Microwave Metadevices based on Electrically Tunable Organic Ion-electron Conductors (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi progetto MANET (autofinanziato del DEI, con responsabile il prof. Michele Rossi) - Topic: Design and development of deep spiking neural networks for neuromorphic hardware (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by OGENUS S.r.l. - Topic: TISCODE - Method and Associated System for Information and Generic Data Transmission by Sound Signals (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Smart PhD 2025 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART cofinanziata con ThinkQuantum Srl - Topic: Development of optical communication terminals for free-space Quantum Key Distribution (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Statwolf Data Science S.r.l. - Topic: Machine Learning Approaches for Decision Support Systems and Industrial Applications (curriculum: INFORMATION SCIENCE AND TECHNOLOGY);</p>
	Total number of positions	n. 15	
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation criteria	Qualifications: points max 50 Oral examination: points max 50		
Documents to be submitted	Curriculum:	Points: max 44	It is mandatory to use the CV template available at max the following link: https://phd.dei.unipd.it/wp-content/uploads/2020/03/curriculum_template.docx

	Other documents:	Points: max 6	Research project to be prepared according to the template available at the following link: https://phd.dei.unipd.it/wp-content/uploads/2020/03/project_template.docx Up to two reference letters
Publication of the results of the evaluation of the preselection	Within 10 SEPTEMBER 2025 the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: https://phd.dei.unipd.it/call-for-admission/ In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.		
Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing	By 10 SEPTEMBER 2025 the commission will publish on the course website https://phd.dei.unipd.it/call-for-admission/ the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
Oral examination	11 SEPTEMBER 2025 09:00 - The exam may continue: 12 - 15 - 16 - 17 -18 September - Sala riunioni 201 DEI/A, Dipartimento di Ingegneria dell'informazione, Università di Padova, via Gradenigo 6/B, 35131 Padova		
Language/s	Foreign language/s assessment at the oral examination: The admission examination does not include the assessment of English language proficiency. Nonetheless, in order to successfully carry on the learning and research activities of the PhD program, a B2-level (or higher) proficiency in English is strongly recommended. Admission exam: The admission exam will be taken in: either in Italian or English language, as preferred by the candidate		
Examination topics	The candidate shall prepare a 10 minute presentation to introduce him/herself, to explain the motivations to pursue a Ph.D. in Information Engineering, and to discuss the main features of a possible research project on one of the topics of the Ph.D. School (http://www.dei.unipd.it/en/research/research-areas). The Admission Committee will then discuss with the candidate the details of his/her academic titles, curriculum, and research project and will assess if the candidate masters the methodological tools needed to carry on the project.		
PhD Course Website:	https://phd.dei.unipd.it/		
Further information	Department: INGEGNERIA DELL'INFORMAZIONE - DEI Address: Via Gradenigo - N. 6/B, 35131 Padova (PD) Contact person: Borgato Sara telephone: +390498277674 e-mail: corso.dottorato@dei.unipd.it		
How to apply	The application must be submitted only via the online procedure available at: https://pica.cineca.it/unipd/dottorati41luglio The documents must be attached in pdf format. The application and the attached documents are submitted automatically by closing the online procedure, so no hard copy of the application and of the documents must be sent to the office.		
Deadlines	Publication of the ranking lists and enrollment from 24 September 2025 Beginning of PhD courses 1 November 2025		
The gross annual amount of the scholarship is 18,643.00 euros, in accordance with the amount set by the D.M. MUR n. 247 of 23/02/2022, equal to € 16,243.00 increased by an annual supplement quota of € 2,400.00			