PhD Course: INFORMATION ENGINEERING			
Curricula	☐ BIOENGINEERING ☐ INFORMATION SCIENCE AND TECHNOLOGY		
Department	INGEGNERIA DELL'INFORMAZIONE - DEI		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 12	
	University Scholarships co-funded by the Department	n. 1	Co-funding Department: INGEGNERIA DELL'INFORMAZIONE - DEI
	Scholarships funded by external public/private Bodies or by Departments	n. 25	**1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi BIRD; **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi BIRD; **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi BIRD; **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI in parte su fondi progetto AtHeNA-STARS, responsabile dott. L. Pellegrina **- Topic:** Algorithms for heterogeneous network analysis (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi Beghi **- Topic:** Monitoring, decision-support, and automatic control strategies for liver perfusion intended for transplantation (**curriculum:** BIOENGINEERING); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi FIS3 - DIANA **- Topic:** Methodologies based on digital twins and artificial intelligence for decision support in pediatric patients with diabetes mellitus using continuous glucose monitoring data and wearable devices (**curriculum:** BIOENGINEERING); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi FISA READY **- Topic:** Computer vision techniques for visual analysis of laboratory processes (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi FISA-2023-00166 **- Topic:** Development and application of bioinformatics approaches for the analysis of the microbiota and mechanisms of antibiotic resistance (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi PIQCS **-**

			Topic: Development of a Quantum Key Distribution system on integrated optics (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi PIQCS **- Topic:** Development of a Quantum Key Distribution system on integrated optics (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi UE - progetto ERC StG 2023 - MiMETIC, Project n. 101116135 **- Topic:** Microwave Metadevices based on Electrically Tunable Organic Ion-electron Conductors (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi contratto KTM, responsabile prof. M. Bruschetta **- Topic:** Advanced Control Strategies for High-Performance Two-Wheeled Vehicles (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi del gruppo di Elettronica di Potenza **- Topic:** Design of Configurable Mixed-Signal Controllers for Automotive Voltage Regulator Modules Supporting Next-Generation SoCs (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi di cui è responsabile il prof. A. Bevilacqua **- Topic:** Design of High Performance and Low Jitter Radio Frequency Phase Locked Loop in nm-scale CMOS Technology (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi di cui è responsabile il prof. Meneghini **- Topic:** Degradation processes of GaN HEMTs (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi progetto MANET (responsabile prof. M. Rossi) **- Topic:** Towards Sustainable Artificial Intelligence: Continual Learning Techniques in Spiking Neural Networks for Energy-Performance Tradeoff Optimization (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI su fondi progetto SNS JU No .101292933 - MAGIC-6G **- Topic:** Multi-agent goal-oriented networking for 6G (**curriculum:** INFORMATION SCIENCE AND

			TECHNOLOGY); **1** scholarship funded by Dipartimento di Scienze statistiche finanziata dal Fondo Italiano per la Scienza (Bando FIS 3), progetto FIS-2024-07620, “Data Integration Approaches for a Multidimensional hOlistic representation of Neighbourhood Deprivation - DIAMOND”; CUP C53C25001260001; Resp. Scientifico: Dott.ssa Margherita Silan **-** **Topic:** Multimedia data analysis for holistic understanding of neighbourhood deprivation (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by IRCCS Istituto Ortopedico Rizzoli **- Topic:** Development of an automated procedure based on gait analysis parameters to identify a personalised indicator of fall risk in the elderly (**curriculum:** BIOENGINEERING); **1** scholarship funded by Istituto di Elettronica e di Ingegneria dell’Informazione e delle Telecomunicazioni (IEIIT) del CNR **-** **Topic:** Tecnologie e risorse ICT per sistemi manufatturieri avanzati nel contesto Industria 4.0/5.0 (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Smart PhD 2026 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART cofinanziata con De Angeli Prodotti S.r.l. **-** **Topic:** Smart cables with integrated fiber optics for predictive maintenance of resilient energy grids (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Smart PhD 2026 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART cofinanziata con Galdi S.r.l. **- Topic:** Explainable AI for Industrial Control: Hybrid Agentic Architectures for Autonomous Self-Diagnosing Packaging Machines (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Smart PhD 2026 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART cofinanziata con Hybitat S.r.l. **- Topic:** Soluzioni basate sull’intelligenza artificiale per la modellazione e il controllo di sistemi di accumulo energetico a idrogeno (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY); **1** scholarship funded by Smart PhD 2026 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART cofinanziata con ThinkQuantum S.r.l. **-** **Topic:** Development of quantum communication systems with integrated photonics (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY);

			1 scholarship funded by ThinkQuantum S.r.l. **- Topic:** Development of advanced systems for quantum communication (**curriculum:** INFORMATION SCIENCE AND TECHNOLOGY);
	Positions without scholarship	n. 5	
	Total number of positions	**n. 43**	
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 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
Preselection: First meeting of the Evaluating Commission	04 JUNE 2026 at 09:00		
Publication of the results of the evaluation of the preselection	Within **10 JUNE 2026** 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 JUNE 2026** 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 JUNE 2026 at 09:00 - The exam may continue: in the following days - 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, 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/dottorati42** 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 **1 July 2026** Beginning of PhD courses **1 November 2026**

The gross annual amount of the scholarship for this PhD Course is € 18,643.00, determined by the amount of €17,443.00, increased by an annual additional supplement of €1,200.00