

PhD Course: BRAIN, MIND AND COMPUTER SCIENCE in agreement with Fondazione Bruno Kessler			
Curricula	<ul style="list-style-type: none"> • NEUROSCIENCE, TECHNOLOGY, AND SOCIETY • COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION 		
Department	PSICOLOGIA GENERALE - DPG		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 6	
	University Scholarships co-funded by the Department	n. 3	<p>1 scholarship funded by the University and co-funded by Dipartimento di Psicologia dello Sviluppo e della Socializzazione - DPSS - Topic: Relational, behavioral and brain basis of parenting (curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);</p> <p>1 scholarship funded by the University and co-funded by Dipartimento di Matematica - DM - Topic: Business process improvement via process mining techniques (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p> <p>1 scholarship funded by the University and co-funded by Dipartimento di Matematica - DM - Topic: Cognitive and computational solutions to improve the efficacy of public-policy definition processes (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p>
	Scholarships funded by institution arrangement	n. 3	<p>1 scholarship funded by Fondazione Bruno Kessler - Topic: Integrating logical reasoning and learning for recommendation systems (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p> <p>1 scholarship funded by Fondazione Bruno Kessler - Topic: Personal agents for healthy coping interventions in healthcare (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p> <p>1 scholarship funded by Fondazione Bruno Kessler - Topic: Generative Neural Models for profile-based Dialogues (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p>
	Scholarships funded by external public or private bodies/Departments	n. 7	<p>1 scholarship funded by Dipartimento di Psicologia dello Sviluppo e della Socializzazione - DPSS su fondi "Progetto di sviluppo dipartimentale";</p> <p>1 scholarship funded by Fondazione Cassa di Risparmio di Padova e Rovigo;</p> <p>1 scholarship funded by Amajor s.r.l. società benefit - Topic: Michelangelo Project: Accelerate Corporate development with a self-evolving tool, based on Machine Learning and Process Mining, keeping Person at the center (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p>

			<p>1 scholarship funded by Dipartimento di Scienze biomediche - DSB - Topic: Analysis and prediction of structural features for non-globular proteins (curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);</p> <p>1 scholarship funded by Dipartimento di Scienze biomediche - DSB su fondi su fondi AIRC IG 2019 id. 23825 dal titolo "Towards a mechanistic understanding of von Hippel-Lindau syndrome in different tissues" - Topic: Computational simulation and analysis of enzymatic systems to characterize the anti-cancer effect of α-ketoglutarate mimetic molecules (curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);</p> <p>1 scholarship funded by Dipartimento di Scienze biomediche - DSB su fondi su fondi AIRC IG 2019 id. 23825 dal titolo "Towards a mechanistic understanding of von Hippel-Lindau syndrome in different tissues" - Topic: Mathematical modeling of von Hippel-Lindau (VHL) related tumor growth to unveil hidden regulative patterns (curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);</p> <p>1 scholarship funded by Zeitworks Technologies, Inc. - Topic: Techniques for Event-Log Abstraction and Task Mining (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p>
	Industrial Doctorate	n. 1	<p>1 place reserved to employees of SYFORM S.R.L. legally seated in Via Pareto 23 31030 Dosson di Casier (TV) (Curriculum: Neuroscience, Technology and Society)</p>
	Total number of positions	n. 20	
Higher-level apprenticeship contracts potentially available (3 year contract)	<p>Curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY - Employer: Thron s.p.a. - Place: Via dei Contarini 5a - 35016 Piazzola sul Brenta (PD) Research project: Study and design of logging analysis methodologies for user experience evaluation.</p> <p>N° 1 Contract potentially available for the above mentioned research project</p>		
	<p>Curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION - Employer: AMAJOR SRL SB - Place: VIA PRIMA STRADA 35, 35129 PADOVA Research project: Accelerate Corporate development with a self-evolving tool, based on Machine Learning and Process Mining, keeping Person at the center.</p> <p>N° 1 Contract potentially available for the above mentioned research project</p>		
	<p>Curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION - Employer: FDM BUSINESS SERVICES SRL - Place: VIA DEI VALTORTA 47 – 20127 MILANO Research project: Secure Machine Learning and Artificial Intelligence technics applied to document management and business process management solutions.</p> <p>N° 1 Contract potentially available for the above mentioned research project</p>		
	<p>N° 1 Contract potentially available for the above mentioned research project</p>		

	<p>Curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION - Employer: FDM BUSINESS SERVICES SRL - Place: VIA DEI VALTORTA 47 – 20127 MILANO Research project: Usable and Secure Software for Document Management Interactions.</p> <p>N° 1 Contract potentially available for the above mentioned research project</p> <hr/> <p>Curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION - Employer: Omitech srl - Place: Via Croce Rossa 26, Padova 35129 Research project: Analysis and implementation of protocols and security systems for the IT protection of social robots, of the related artificial intelligence systems to avoid data theft and the non authorized use of connected peripherals.</p> <p>N° 1 Contract potentially available for the above mentioned research project</p>		
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants will take the oral examination via remote interview (ZOOM)		
Evaluation criteria	Qualifications: points max 60 Oral examination: points max 40		
Documents to be submitted	Thesis:	Points: max 10	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2021 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 10	Follow a chronological order within each section of your curriculum, starting from the most recent item backwards. For instance, within the section 'Education' start with the most recent academic degree you have obtained.
	Scientific publications:	Points: max 10	Please choose one style to report the bibliographic information (e.g. APA, Chicago, ...) and stick to it consistently for all your publications. Do not mention presentation at conferences that are not included in full in the conference proceedings.
	Other documents:	Points: max 30	Research project (maximum 2000 words + references) prepared according to the guidelines published on this page http://hit.psy.unipd.it/BMCS/admission . Reference letters (maximum 2). Attestation/Certifications attesting the foreign language knowledge
Preselection: First meeting of the Evaluating Commission	31 MAY 2021 09:00		
Publication of the results of the evaluation of the preselection	Within 01 JUNE 2021 the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: http://hit.psy.unipd.it/BMCS/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 instructions on how to use the ZOOM video conferencing	By 01 JUNE 2021 the commission will publish on the course website http://hit.psy.unipd.it/BMCS/admission the instructions on how to use the ZOOM video conferencing.
Oral examination via ZOOM video conferencing	03 JUNE 2021 10:00 - The exam may continue: 04/06/2021
Language/s	Foreign language/s assessment at the oral examination: At the oral examination the commission will assess the knowledge of the following language/s: English Admission exam: The admission exam will be taken in: English
Examination topics	Depending on the background of the applicant, the oral examination will focus on: - computer science - psychology and neuroscience - human-computer interaction - e-health and cybertherapy - Internet of Things - machine learning - big data and safety. The applicant might also be asked about his/her prospective doctoral project.
Didactic program	Enrolled students are asked to attend at least 150 hrs of classes. The doctoral program has its teaching offer, including seven mandatory courses with a final examination. All courses are offered in English and facilitate an interdisciplinary education between psychology, cognitive neuroscience and computer science (More information: http://hit.psy.unipd.it/BMCS/teaching-offer)
PhD Course Website:	http://hit.psy.unipd.it/BMCS
Further information	Department: PSICOLOGIA GENERALE - DPG Address: Via Venezia - N. 8, 35131 Padova (PD) Contact person: Longo Ilaria telephone: 0498276596 e-mail: phd.bmcs@unipd.it
How to apply	The application must be submitted only via the online procedure available at: https://pica.cineca.it/unipd/dottorati37 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 2 July 2021 Beginning of PhD courses 1 October 2021