

PhD Course: BRAIN, MIND AND COMPUTER SCIENCE in agreement with Fondazione Bruno Kessler			
Curricula	<input type="checkbox"/> NEUROSCIENCE, TECHNOLOGY, AND SOCIETY <input type="checkbox"/> COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION		
Department	PSICOLOGIA GENERALE - DPG		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 5	
	Scholarships funded by the Institution in agreement	n. 3	1 scholarship funded by Fondazione Bruno Kessler - Topic: Cognitive-behavioral interventions based on Virtual Reality and Artificial Intelligence (curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); 1 scholarship funded by Fondazione Bruno Kessler - Topic: Extracting information from clinical documents in a multilingual perspective (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); 1 scholarship funded by Fondazione Bruno Kessler - Topic: Embodied Artificial Intelligence with commonsense (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);
	Scholarships funded by external public or private bodies/Departments	n. 3	1 scholarship funded by Dipartimento di Matematica 'Tullio Levi-Civita' - DM - Topic: Machine Learning approaches to Digital Literacy, persuasiveness and manipulation in online media (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); 1 scholarship funded by Smart PhD 2023 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART - Topic: "Zero trust" management of digital elements in manufacturing industrial chain (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); 1 scholarship funded by Transmutex S.A. - Topic: Reconstructing, through Artificial Intelligence techniques and in particular Deep Learning, of the correlation between the angle and momentum of the products of nuclear reactions initiated by neutrons (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);
	Scholarships on PNRR funds	n. 1	1 scholarship funded by Dipartimento di Scienze Biomediche - DSB su fondi PNRR - progetto "ELIXIR x NextGenerationIT: Consolidamento dell'Infrastruttura Italiana per i Dati Omici e la Bioinformatica - ElixirxNextGenIT" - IR0000010 - CUP PRR.AP026.013 - B53C22001800006 - Topic: Updating and Expanding Tools for Intrinsic Disordered Proteins Assessment: A Focus on CAID and ELIXIR Benchmarking Platforms (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);

	Scholarships Ministerial Decree 118/2023	n. 4	1 scholarship Generico PNRR - Topic: (Energetically) efficient, incremental and continual Deep Learning models (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); 1 scholarship Patrimonio Culturale - Topic: Digital modeling of ancient musical instruments (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); 1 scholarship Pubblica Amministrazione - Topic: Explainable digitalization of public-administration processes (curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); 1 scholarship Pubblica Amministrazione - Topic: Person-oriented health interventions in transgender and gender diverse (TGD) youth: new technologies to support human care. (curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);
	Total number of positions	n. 16	
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 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 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum vitae:	Points: max 10	Follow a chronological order within each section of your curriculum, starting from the most recent item (For instance, when describing your education, start with the most recent degree you have obtained). Also clearly state the score obtained at graduation or, if have not yet graduated, the average value of the exam score.
	Scientific publications:	Points: max 10	Please choose one style to report the publications you authored (e.g. APA, Chicago, ...) and stick to it consistently. Do not mention presentations 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/certification of level of English language released by any authorized agency

Preselection: First meeting of the Evaluating Commission	26 JUNE 2023 14:00
Publication of the results of the evaluation of the preselection	Within 29 JUNE 2023 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 remote oral exams calendar and instructions for using the ZOOM videoconferencing tool	By 29 JUNE 2023 the commission will publish on the course website http://hit.psy.unipd.it/BMCS/admission the remote oral exams calendar and the instructions for using the ZOOM videoconferencing tool for the candidates who have asked for it in the application form and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
Oral examination	05 JULY 2023 09:30 - Human Inspired Technology Research Centre, via Luzzatti 4, Padova
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 security The applicant might also be asked about his/her prospective doctoral project.
Didactic program	The doctoral program has its teaching offer, including seven mandatory courses with a final examination. All courses are in English and facilitate an interdisciplinary path between psychology, cognitive neuroscience and computer science, consistently with the educational goals of the program. The students attend at least 150 hrs of classes (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: Romagnolo Carla telephone: 049 8276375 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/dottorati39 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 19 July 2023 Beginning of PhD courses 1 October 2023