

PhD Course: INDUSTRIAL ENGINEERING			
Curricula	- CHEMICAL AND ENVIRONMENTAL ENGINEERING - MECHANICAL ENGINEERING - MATERIALS ENGINEERING - ENERGY ENGINEERING - ELECTRICAL ENGINEERING		
Department	INGEGNERIA INDUSTRIALE - DII		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 8	1 scholarship funded by BSMold Tech S.r.l. - Topic: Advanced Numerical Strategies for the Design and Optimization of Cooling Circuits and Pumps in Mold Applications (curriculum: ENERGY ENGINEERING); 1 scholarship funded by Brevetti CEA S.p.A. - Topic: Developments of quality control methods for the pharmaceutical industry (curriculum: MECHANICAL ENGINEERING); 1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - Topic: Traceable machine vision systems for digital industrial applications (curriculum: MECHANICAL ENGINEERING); 1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - Topic: Vehicle dynamics methodology for supersport cars durability applications (curriculum: MECHANICAL ENGINEERING); 1 scholarship funded by International Ski and Snowboard Federation - Topic: Development of experimental and numerical methods for the improvement of impact safety of head, neck and trunk in Alpine Skiing and Freestyle disciplines and the optimization of personal protective equipment (curriculum: MECHANICAL ENGINEERING); 1 scholarship funded by M.E.C.C. ALTE S.p.A. - Topic: Analysis and modelling of synchronous generators (curriculum: ELECTRICAL ENGINEERING); 1 scholarship funded by Tekneidos S.r.l. - Topic: Design and Development of Innovative Electric Motors: Application of Soft Magnetic Composites, Vibroacoustic Analysis, and Predictive Maintenance (curriculum: ELECTRICAL ENGINEERING); 1 scholarship funded by xLab società tra professionisti S.r.l. - Topic: Numerical and Experimental Strategies for Optimizing Internal Combustion Engines in Motorsport Applications (curriculum: ENERGY ENGINEERING);
	Total number of positions	n. 8	
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 90 Oral examination: points max 10		
Documents to be submitted	Curriculum:	Points: max 67	- Grade Point Average weighted by the number of credits for exams taken in the Laurea Triennale+Magistrale/Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento. For students with a foreign degree, provide the Grade Point Average (GPA) for each degree obtained (max score 45). - Other information (max score 22): 1) Actual length of your studies; 2) Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.); 3) Relevant work experience after graduation (research grants, scholarships, internship periods, period of employment); 4) Scientific awards relevant to the curriculum; 5) Relevance of your profile with respect to the Curriculum indicated as primary choice and with respect to a specific research topic ("Tema Vincolato"), if selected; 6) Other qualifications (e.g., number of A+ grades, graduation with honors, teaching assistantships). WARNING: only the qualifications listed using the "LIST OF QUALIFICATIONS" template will be considered; the template is available at: https://academics.dii.unipd.it/phd/admission
	Scientific publications:	Points: max 4	Scientific publications: publications in journals/conferences proceedings/books and patents; report full bibliographical information (name of authors, journal or conference name, volume, publication year, pages, DOI). Manuscripts accepted for publication will be considered only if DOI is provided. (max score 4). WARNING: insert publication data in the "LIST OF QUALIFICATIONS" template available at: https://academics.dii.unipd.it/phd/admission
	Other documents:	Points: max 5	1) Extended abstract of the Master's thesis. If the candidate has not yet graduated, the extended abstract must be signed by the thesis supervisor (max score 2.5). 2) Reference letter written through the PICA web form by a faculty member or a person working in industry (max score 2.5). WARNING: for points 1) and 2) the candidate must use the template "LIST OF QUALIFICATIONS" available at: https://academics.dii.unipd.it/phd/admission
	Research project:	Points: max 14	Preparation of a research project proposal for the three years of the PhD, clearly explaining the scientific and personal reasons for undertaking the specific research proposed and for choosing the PhD school in Industrial Engineering and the Curriculum chosen. If you are applying for a specific research topic ("Tema Vincolato"), the proposed project must be related to that topic (max score 14). WARNING: the candidate must use the template "LIST OF QUALIFICATIONS" available at: https://academics.dii.unipd.it/phd/admission

Publication of the results of the evaluation of the preselection	Within 12 SEPTEMBER 2025 the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: https://academics.dii.unipd.it/phd/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 12 SEPTEMBER 2025 the commission will publish on the course website https://academics.dii.unipd.it/phd/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	18 SEPTEMBER 2025 09:30 - Sala riunioni grande corpo A, Dipartimento di Ingegneria Industriale, via Venezia 1, 35131 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	Short presentation in English of the research project proposal. Instructions and slide template available at: https://academics.dii.unipd.it/phd/admission WARNING: the use of the template provided
PhD Course Website:	https://academics.dii.unipd.it/phd/
Further information	Department: INGEGNERIA INDUSTRIALE - DII Address: Via Gradenigo - N. 6°, 35131 Padova (PD) Contact person: Fazio Valentina telephone: 0498277477 e-mail: dottorato.dii@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	