

PhD Course: SCIENCES, TECHNOLOGIES AND MEASUREMENTS FOR SPACE			
Curricula	<input type="checkbox"/> MECHANICAL MEASUREMENTS FOR ENGINEERING AND SPACE <input type="checkbox"/> SCIENCES AND TECHNOLOGIES FOR AERONAUTICS AND SATELLITE APPLICATIONS		
Department	Centro di Ateneo di Studi e Attività Spaziali "Giuseppe Colombo" - CISAS		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 2	
	Scholarships funded by external public or private bodies/Departments	n. 8	<p>1 University scholarship co-funded by Centro di Ateneo di Studi e Attività Spaziali "Giuseppe Colombo" - CISAS - Topic: Numerical methods to study damage propagation in materials for aerospace structures (curriculum: SCIENCES AND TECHNOLOGIES FOR AERONAUTICS AND SATELLITE APPLICATIONS);</p> <p>1 scholarship funded by Agenzia Spaziale Italiana - ASI - Topic: Analysis of craters on Mars (curriculum: SCIENCES AND TECHNOLOGIES FOR AERONAUTICS AND SATELLITE APPLICATIONS);</p> <p>1 scholarship funded by Centro di Ateneo di Studi e Attività Spaziali "Giuseppe Colombo" - CISAS su fondi HORIZON – progetto "Building bLOcks for iOdone thruSTer (BOOST)" - Grant Agreement Project 101135216 - BOOST; CUP Master: J53C23003080006 - Topic: Design and test of a radiofrequency cathode propelled with iodine (curriculum: SCIENCES AND TECHNOLOGIES FOR AERONAUTICS AND SATELLITE APPLICATIONS);</p> <p>1 scholarship funded by Centro di Ateneo di Studi e Attività Spaziali "Giuseppe Colombo" - CISAS su fondi del progetto "Space It Up" finanziato da "Bando di finanziamento per le Attività spaziali" (tematica 15), Prot. CI-2022-DSR-042 del 18 luglio 2022 ASI - Topic: Fluid dynamics modeling of the Martian atmosphere (curriculum: SCIENCES AND TECHNOLOGIES FOR AERONAUTICS AND SATELLITE APPLICATIONS);</p> <p>1 scholarship funded by Centro di Ateneo di Studi e Attività Spaziali "Giuseppe Colombo" - CISAS su fondi del progetto "Space It Up" finanziato da "Bando di finanziamento per le Attività spaziali" (tematica 15), Prot. CI-2022-DSR-042 del 18 luglio 2022 ASI - Topic: Free-form optics for nano/cubesat payloads (curriculum: SCIENCES AND TECHNOLOGIES FOR AERONAUTICS AND SATELLITE APPLICATIONS);</p> <p>1 scholarship funded by Centro di Ateneo di Studi e Attività Spaziali "Giuseppe Colombo" - CISAS su fondi esterni ASI – progetto "Detriti spaziali e sostenibilità delle attività spaziali a lungo-termine" – CUP: F83C23001160005 - Topic: Analysis of satellite collisions with space debris (curriculum: SCIENCES AND TECHNOLOGIES</p>

			<p>FOR AERONAUTICS AND SATELLITE APPLICATIONS); 1 scholarship funded by Centro di Ricerche Sismologiche - CRS dell'Istituto Nazionale di Oceanografia e Geofisica Sperimentale - OGS - Topic: Activities of collection, archiving, processing and dissemination of GNSS data coming from fixed and mobile stations, aimed at improving the metrological characteristics of the stations and at analyzing the territory, with particular reference to the regions of North-East Italy (curriculum: MECHANICAL MEASUREMENTS FOR ENGINEERING AND SPACE); 1 scholarship funded by Smart PhD 2024 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART cofinanziata con I.R.C.A. S.p.A. - Topic: Development of a local thermal control unit for parts of satellites and extraterrestrial habitats (curriculum: SCIENCES AND TECHNOLOGIES FOR AERONAUTICS AND SATELLITE APPLICATIONS);</p>
	Total number of positions	n. 10	
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	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2024 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor). The Master thesis project will be evaluated in relation with the research activities of the PhD course. Candidates have to attach the pdf file of the thesis. In case of thesis not written in italian or english it is mandatory to include an english summary in 4 pages.
	Curriculum:	Points: max 15	Use the Europass format (https://europa.eu/europass/). For each course of study: - attach suitable documentation of the exams taken and the marks obtained - indicate the weighted average (on ECTS) with two decimal digits of the exam marks - indicate the ratio (percentage) between the above average and the maximum value possible of this average (i.e. the average that would be achieved with the highest marks in all exams). For each qualification obtained, indicate: - the final grade - the ratio (percentage) between the final grade obtained and the maximum achievable. For Italian 5-years

			degrees (vecchio ordinamento) indicate the arithmetic average of the exam grades. In addition describe: any teaching or research experiences, periods spent abroad specifying the purposes, awards and / or scholarships.
	Scientific publications:	Points: max 4	Include the possible list of publications, including authors, title, date, editorial collocation, and DOI (Digital Object Identifier) if available, and a copy of each publication.
	Other documents:	Points: max 25	-Description of a potential research activity ("Project work") for the three-year PhD program (max 16,000 characters excluded the bibliography). - Two reference letters from university professors or qualified members of research institutions or industries (follow the instructions for sending these letters; do not upload the letters directly with the application). - Candidate's report on any research activities carried out. - GRE General Part, TOEFL, IELTS and similar tests if available.
	Further documents that the candidates think relevant to their evaluation:	Points: max 1	
Preselection: First meeting of the Evaluating Commission	29 MAY 2024 09:00		
Publication of the results of the evaluation of the preselection	Within 04 JUNE 2024 the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: https://cisas.unipd.it/phd-course-dottorato/new-stms-phd-call-40th-cycle 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 04 JUNE 2024 the commission will publish on the course website https://cisas.unipd.it/phd-course-dottorato/new-stms-phd-call-40th-cycle 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	10 JUNE 2024 10:30 - sala riunioni CISAS, Via Venezia 15, 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 or Italian		
Examination topics	The oral exam consists of a discussion on the qualifications presented by the candidate, in particular on her/his knowledge/experience on topics related to the PhD course and on the "project work". Knowledge of the English language will also be verified.		

PhD Course Website:	https://cisas.unipd.it/phd-course-dottorato/phd-course-general-description
Further information	<p>Department: Centro di Ateneo di Studi e Attività Spaziali "Giuseppe Colombo"</p> <p>Address: Via Venezia - N. 15, 35131 Padova (PD)</p> <p>Contact person: Cesaro Novella</p> <p>telephone: +390498276857 e-mail: dottorato.cisas@unipd.it</p>
How to apply	<p>The application must be submitted only via the online procedure available at: https://pica.cineca.it/unipd/dottorati40</p> <p>The documents must be attached in pdf format.</p> <p>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.</p>
Deadlines	<p>Publication of the ranking lists and enrollment from 2 July 2024</p> <p>Beginning of PhD courses 1 November 2024</p>