Texas State Summer Hubs

Programme	**Texas State Summer Hubs @ UNIPD – *Industrial Engineering Statistics***
Overall description	The collaboration between Texas State University (TXST) and the University of Padua offers a unique opportunity for academic and cultural exchange through the **Texas State Summer Hubs @ UNIPD**. As part of this initiative, between May and June 2025, students and teachers from the American university will take part in educational activities a tour university, contributing to the enrichment of our academic offerings and promoting the exchange of knowledge and experiences between the two institutions.
Contents	The programme is divided into several teaching modules. In particular, the course 'Industrial Engineering Statistics' will cover the following topics: descriptive statistics, data visualization, estimation and hypothesis testing, multiple linear regression, basics of multivariate statistics and statistical process control, latent variable regression, and classification. Practical sessions will be held in computer labs at the Department of Industrial Engineering (DII), focusing on engineering applications. The objective of the course is to teach basic statistical applications for industrial engineering. Additionally, the course aims to promote the development of soft skills, interpersonal skills, collaboration, and teamwork among the participants.
Number of places	5
Programme dates	The course will take place from May 26 to June 12, 2025, on the following dates: May 26, 27, 28 and 29, and June 3, 4, 5, 9, 10, 11 and 12.
Location	Classrooms and computer labs of the Department of Industrial Engineering (tbc)
Mode	In person
Credits and recognition	Students who attend the course will receive **the Open badge - Industrial engineering statistics** (https://bestr.cineca.it/badge/show/4386?ln=it). This open badge will be awarded to those who: - Have collaborated in the group activities proposed during the course, answering questions asked in class, completing the

	computer-based exercises presented during the lessons, and interacting proactively with the instructor and fellow students in the activities; - Have attended at least 80% of the course lessons; - Have passed the final exam on the topics covered during the course.
Financial support	No financial support is provided for students participating in the program.
Eligible degree courses	Students regularly enrolled in the following degree programs affiliated with the Department of Industrial Engineering (DII) are eligible to participate in the program: a. Bachelor's Degree in Aerospace Engineering, Bachelor's Degree in Mechanical Engineering, Bachelor's Degree in Energy Engineering, Bachelor's Degree in Chemical and Materials Engineering; b. Master's Degree in Aerospace Engineering, Master's Degree in Mechanical Engineering, Master's Degree in Energy Engineering, Master's Degree in Electrical Energy Engineering, Master's Degree in Chemical and Process Engineering, Master's Degree in Materials Engineering, Master's Degree in Civil and Industrial Safety Engineering. Additional requirements are specified in Article 2 of the 'Global Intensives' Call for Applications.
Selection criteria and application documents	Selection will be based on the following criteria: • **Academic merit evaluation** (merit coefficient MC: this is calculated by multiplying the ratio of credits earned by the student by May 10, 2024, compared to the total credits of their program (CR) and the weighted grade point average of the student's exams (MV): CM = CR·MV); • **English language proficiency** (minimum B2 level) • **Consistency with the student's profile and the relevance of the activities for earning academic credits.** In case of a tie in the score, the candidate with the higher level of language proficiency will be selected. In the event of another tie, priority will be given to students enrolled in a Master's Degree program. Age will be used as a final criterion in case of further ties.
Application link	Applications must be submitted online via the following form: https://forms.gle/TQ1cKQmkkzJPsQVo7

Language requirements	B2 level of English or higher
Further requirements	N/A
Restrictions	The following students are not eligible to enrol in this program: • Incoming Erasmus+ students