

Course Syllabus for
Smart and Sustainable Industry PhD Program
 (years 2024-25/2025-26)

Course title	Smart energy cities
Scientific Discipline Sector	ING-IND/11
Hours of instruction	16
CFU	2
Semester	Second
Goal	The course addresses the topic of smart cities from the point of view of energy networks.
Syllabus	The focus of this course is on urban and territorial energy infrastructures and the methods that allow their design aimed at their intelligent and automated management, through supervision and control logics aimed at reducing energy consumption, ensuring greater penetration of renewable energies and their greater safety and resilience. The course includes seminars with leading companies in the energy storage sector
Bibliography	Smart Energy in the Smart City: Urban Planning for a Sustainable Future (Green Energy and Technology) Springer ISBN-10:3319809776
Examination method	Written