

FIRST MASTER DEGREE IN TECHNOLOGY AND PRODUCTION OF PAPER AND CARDBOARD

The Master degree in "Technology and production of paper and cardboard" arises from the important Paper and Cardboard Industry, which needs engineers well educated in its specific subjects.

PAPER AND CARDBOARD ITALIAN INDUSTRY

 **117 Companies** |  **150 Plants**

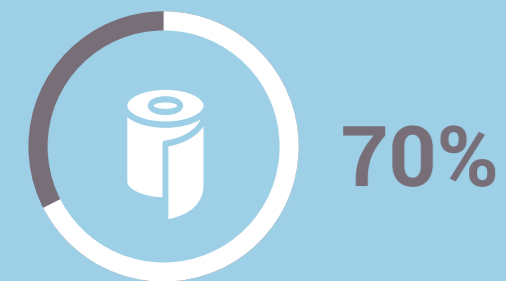
 **19.300 Employees**

 **9 M tons**
Production (60% import - 40% export)

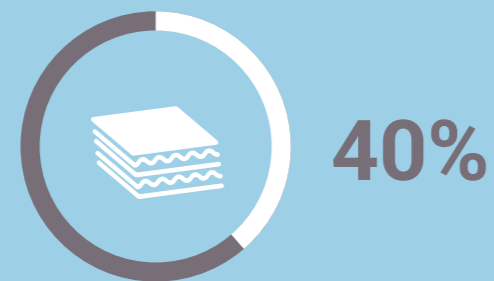
 **7,4 B euro**
Turnover (50% import - 50% export)

LUCCA DISTRICT

In this national industry, Lucca paper district plays a strategic role with over 100 companies, and these results come from a long tradition started back in the 13th century.



TOTAL NATIONAL PRODUCTION OF TISSUE PAPER



TOTAL NATIONAL CORRUGATED CARDBOARD PRODUCTION



UNIVERSITÀ DI PISA



FONDAZIONE LUCCHESE PER L'ALTA FORMAZIONE E LA RICERCA

www.dici.unipi.it/didattica/technology-and-production-of-paper-and-cardboard

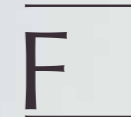


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CELSIUS



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IT'S TIME TO TOUCH YOUR FUTURE

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MASTER DEGREE

Pisa University and FLAFR (Formazione Lucchese per Alta Formazione) are the first Institutions to start a Master Degree thanks to their experience with the successful seventeen previous editions of the Master "Paper and Cardboard". The Master Degree is articulated in different managing and engineering classes, all taught in English language for national and international students by academic professors and professional managers.

PROFESSIONAL PROSPECTS

Graduates in "Technology and Production of Paper and Cardboard" will have the chance to continue their studies into higher education as well as pursue careers in the paper and paperboard industry, public and private research institutions and other industrial enterprises where the knowledge of processes, materials and the enabling technologies for Industry 4.0 and Circular Economy is especially relevant.

COME AND THRIVE

- Enjoy Lucca, where lectures are, a pleasant city with a rich culture
- Develop knowledge in advanced paper and cardboard technology
- Gain an internationally renowned qualification
- Have the chance to do internships abroad
- Get involved with international cooperations

APPLICATIONS AND REQUIREMENTS

International candidates must have an engineering Bachelor's degree. Adequate knowledge of English is mandatory (level B2 or equivalent). Candidates must apply online at ammissionelm.adm.unipi.it. Successful applicants must follow the University of Pisa's standard enrolment procedure. More details at: www.unipi.it/enrolment.

ENROLMENT AND FEES

Enrolment instructions are available at matricolandosi.unipi.it/studenti-internazionali. Fees depend on the student's country of origin. Information on fee waivers and scholarships can be found at www.unipi.it/tuition-fees.

KEY PEOPLE TO CONTACT

- **Study Programme Director**
Prof. Marco Frosolini - marco.frosolini@ing.unipi.it
- **Pisa - didactic secretariat**
Dr.ssa Francesca Nannelli - francesca.nannelli@unipi.it
- **Lucca - didactic secretariat**
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DIDACTIC PLAN

● Characterizing / 66 CFU ● Related / 18 CFU ● Thesis / 24 CFU ● Free choice activity / 12 CFU

1° SEMESTER	2° SEMESTER	3° SEMESTER	4° SEMESTER
Paper chemistry and technology I (6 CFU) CHM/07	Paper chemistry and technology II (6 CFU) ING-IND/22	Plants for converting paper and cardboard I (6 CFU) ING-IND/17	Plants for converting paper and cardboard II (6 CFU) ING-IND/17
Computer Aided design (6 CFU) ING-IND/15	Mechanical design for the paper industry (6 CFU) ING-IND/14	Energy and energy efficiency (6 CFU) ING-IND/08	Management of the industrial maintenance (6 CFU) ING-IND/17
Plants production plants I (6 CFU) ING-IND/25/27	Plants production plants II (6 CFU) ING-IND/25/27	Sustainability and circular economy (6 CFU) ING-IND/25	Thesis / Internship (24 CFU)
Automation and drives I (6 CFU) ING-INF/04 ING-IND/26	Automation and drives II (6 CFU) ING-INF/04 ING-IND/26	Free choice activity (6 CFU)	
Information technology for industry 4.0 (6 CFU) INF/01	Free choice activity (6 CFU)		

LUCCA LOCATION



Lectures will be held in Lucca, in the headquarters of Fondazione Cassa di Risparmio di Lucca in S.Micheletto, 3. Lessons will be on streaming and uploaded on line too.



PISA UNIVERSITY

Established in **1343**

Partnerships with universities from all over the world

+54K Student population

The University of Pisa (UNIFI) is a public institution composed of twenty departments, with high level research centres in the fields of agriculture, astrophysics, computer science, engineering, medicine and veterinary medicine. Established in 1343, UNIFI is one of the most prestigious Italian higher education institutions and a modern centre for teaching and advanced research. One of the University's main strategies is that of internationalisation as it aims to engage with students and researchers and establish long-term partnerships with universities and public and private institutions from all over the world. With a current student population surpassing 54,000, UNIFI offers a large number of degree programmes taught in English and a variety of exchange ones.

THE DEPARTMENT OF CIVIL AND INDUSTRIAL ENGINEERING

The Department of Civil and Industrial Engineering was established in 2012 following the Italian Universities reform which saw the merging of the former departments of Mechanical, Nuclear and Production Engineering, Aerospace Engineering, Chemical Engineering and Materials with that of Civil Engineering. As a result, the current department teaches most of the well-established degree programmes and leads research activities in traditional disciplines within engineering

