APPLICATIONS AND REQUIREMENTS

International candidates should preferably hold a Bachelor Degree in Computer Engineering or Computer Science, but also a Bachelor of Science providing some background in both mathematics and computer science is suitable. Detailed admission and knowledge requirements are presented in the website. Adequate knowledge of English is mandatory (level B2 or equivalent).

Candidates must apply online at applymscenglish.unipi.it. Successful applicants must follow the University of Pisa's standard enrolment procedure.

More details at: https://www.unipi.it/index.php/enrolment.

ENROLMENT AND FEES

Enrolment instructions are available at matricolandosi.unipi.it.
Fees depend on the student's country of origin and vary from € 356 to € 2,556 per academic year.
Information on fee waivers and scholarships can be found at www.unipi.it/tuition-fees.

Website
computer.ing.unipi.it

Study Programme Director
Prof. Marco Avvenuti

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MSc Programme in Artificial Intelligence and Data Engineering

UNIVERSITÀ DI PISA

The University of Pisa (UNIPI) 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, UNIPI is one of the most prestigious higher education institutions in Italy and a modern centre for teaching and advanced research.
UNIPI actively pursues an internationalization policy to engage with students and researchers and to establish long-term partnerships with universities and public and private institutions from all over the world.

With more than 54,000 students, UNIPI offers a large number of degree programmes held in English and a variety of exchange programmes.

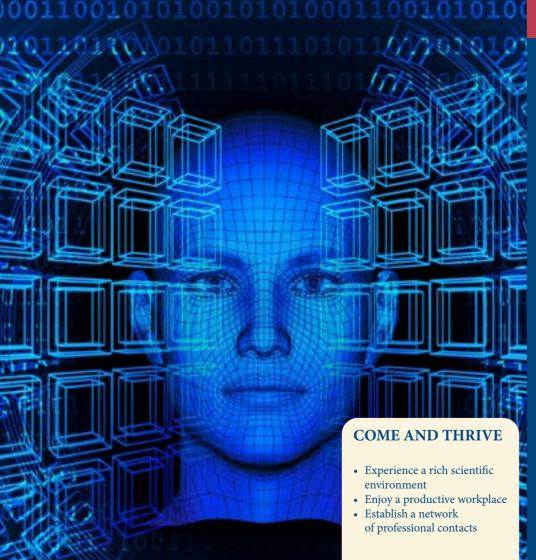*Study at the Department of Information Engineering*

The Department of Information Engineering hosts around 100 professors and senior researchers, along with 100 PhD students and junior researchers.
The Department engages in research in several technological areas including micro and nanoelectronic systems, computer networks and embedded systems.

COME AND THRIVE

- Experience a rich scientific environment
- Enjoy a productive workplace
- Establish a network of professional contacts

PROGRAMME OVERVIEW

The Master's Degree in Artificial Intelligence and Data Engineering provides a solid in-depth education that enables its graduates to design and implement, on one side, systems for efficiently managing large amount of data and extracting useful knowledge from this data, and, on the other, intelligent systems by exploiting cutting-edge artificial intelligence techniques. The course is structured to admit not only students with consolidated knowledge in the field of computer engineering, but also students from different disciplines, provided they have an adequate knowledge of computer programming.
The Programme is structured as follows:

FIRST YEAR	ECTS
Data Mining and Machine Learning	12
Large-Scale and Multi-Structured Databases	9
Cloud Computing	9
Business and Process Management	9
Optimization Methods and Game Theory	6
Elective Courses (out of a given set)	15
TOTAL	60

SECOND YEAR	ECTS
Computational Intelligence and Deep Learning	6
Process Mining and Intelligence	6
Multimedia Information Retrieval and Computer Vision	9
Symbolic and Evolutionary Artificial Intelligence	6
Elective Course (free choice)	9
Final Examination (Thesis)	24
TOTAL	60

PROFESSIONAL PROSPECTS

Graduates are specialized professionals who easily find employment in private companies, even large ones, operating in the ICT sector and interested in the development of data storage and analysis systems, and intelligent systems, and in any manufacturing industry, service company or organization, including public administrations, interested in the management and analysis of data, the management of business processes and strategic decision support systems.