

APPLIED MATHEMATICS

The Master Degree in Applied Mathematics aims at providing high-level competences for the formalization and the consequent mathematical analysis of problems arising from applied sciences and technologies, with a special focus on the analysis of big data systems and complex systems.

applied-mathematics.unisi.it

MSc ADMISSION REQUIREMENTS

DIISM offers four two-year Master of Science (MSc) programmes completely taught in English. Admission is open to graduates who have a recognized degree (bachelor or equivalent) in engineering, computer science, mathematics or physics. Candidates with other types of degree or students who have gained 180 ECTS credits at a recognized institution, can be admitted provided they have an adequate background in information technology, mathematics and physics. The admission is decided by the Enrolment Committee on the basis of the candidate CV. Admission tests or interviews can also be requested. Information on the Italian university systems (academic fees, fellowships) are available in the DIISM website.

www.diism.unisi.it/en

CONTACTS

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DEPARTMENT OF INFORMATION
ENGINEERING AND MATHEMATICS

MSc programmes



COMPUTER AND AUTOMATION ENGINEERING


The programme aims at providing high-level competences for the design, management, development and innovation in the fields of advanced hardware and software architectures, control systems and robotics. The graduate in Computer and Automation Engineering will be able to integrate methods and technologies from different fields such as artificial intelligence, machine learning, high performance processing of massive data collections, human-robot interfaces, control and automation systems.

ENGINEERING MANAGEMENT

The programme provides high-level competences for modeling, optimization, decision making and management of organizations. Graduates in Engineering Management are interdisciplinary managers with advanced problem solving skills and a holistic view on modern companies in today's economic and social context, thus able to develop innovative and sustainable solutions for complex organizations.

ELECTRONICS AND COMMUNICATIONS ENGINEERING


The programme aims to form a graduate with advanced skills in processing and information-transmission systems and to provide more specific knowledge in the design of devices and electronic systems. It provides the skills and methodological tools needed to develop systems for signal and image processing, antenna design, microwave systems and devices, analog and digital electronic design with applications in the fields of electronics and telecommunications.



computer-automation.unisi.it



engineering-management.unisi.it



electronics-communications.unisi.it