Name of the Programme	*Master of Science in Computer Engineering (2 years, 120 ECTS)*
	Study Program Director Prof. Gigliola Vaglini gigliola.vaglini@iet.unipi.it
Brief presentation	The MSc (laurea magistralis) in Computer Engineering provides a student with a solid, in-depth background, in line with the innovation needs of the informatics field. The course further advances the student knowledge portfolio, in both the fundamental sciences and the engineering disciplines. This allows graduates to interact with engineering professionals from all different backgrounds, as well as to complete their mastering of computer engineering.
Programme Overview	The course includes a first part which goes in-depth into engineering disciplines and completes the expertise on methodological disciplines and informatics. After that, students are presented with the following subjects: - network applications and system security - design of mobile applications - systems architecture and commercial tools for web-based services - intelligent systems and decision-support systems In order to complete their MSc, students can choose between two curricula, Computer Systems and Networks and Enterprise Systems. The first one advances further on network architectures and protocols, multimedia information, and computer engineering for industrial automation and robotics. The second one provides students with expertise on business intelligence, enterprise process management, strategic decision support systems. The structure of the MSc Program is the following: Curriculum: Computer Systems and Networks

FIRST YEAR		
Computer Architecture	9 ECTS	
Concurrent and Distributed Systems	9 ECTS	
Security in networked computing systems	9 ECTS	
Performance evaluation of Computer Systems and Networks	9 ECTS	
Electronics and Communications Systems	9 ECTS	
Advanced topics in Computer Systems and Networks	9 ECTS	
Intelligent Systems	6 ECTS	

TOTAL	60 ECTS	

SECOND YEAR		
Automated Systems and Robotics	6 ECTS	
Advanced Network Architectures and Wireless Systems	9 ECTS	
Mobile and Pervasive Systems	6 ECTS	
Information Systems and Software Systems Engineering	12 ECTS	
Final examination	18 ECTS	
Free activity	9 ECTS	
TOTAL	60 ECTS	

Curriculum: Enterprise Systems

FIRST YEAR		
Business Processes Management	9 ECTS	
Performance evaluation of Computer Systems and Networks	9 ECTS	
Concurrent and Distributed Systems	9 ECTS	
Electronics and Communications Systems	9 ECTS	
Computer Architecture	9 ECTS	
Security in networked computing systems	9 ECTS	
Intelligent Systems	6 ECTS	
TOTAL	60 ECTS	
SECOND YEAR		
Business Intelligence	9 ECTS	
Information Systems and Software Systems Engineering	12 ECTS	
Mobile and Pervasive Systems	6 ECTS	
Final examination	18 ECTS	
Free activity	9 ECTS	
Systems for strategic management and support	6 ECTS	
TOTAL	60 ECTS	

Academic Calendar	Most courses are taught on a semester base Fall Semester: End of September (approx) → Mid December (approx) Spring Semester: End of February (approx) → End of May (approx)
Professional perspectives	The Program is specifically intended to train specialized professionals as well as to prepare students for further studies in the computer engineering field. These objectives are pursued by providing a thorough education in different fields (network applications and system security, design of mobile applications, systems architecture

	and commercial tools for web-based services, intelligent systems and decision-support systems etc..). Graduates in Computer Engineering will easily find employment in small, medium and large companies involved in network architectures and protocols, multimedia information, computer engineering for industrial automation and robotics, business intelligence, enterprise process management, strategic decision support systems.
Admission	EU applicants (and non-EU applicants resident in Italy):
	Admission to the MSc course in Computer Engineering is open to all candidates in possession of the relevant requirements
	Non-EU applicants (citizens of countries not belonging to the European Union) not resident in Italy:
	30 non-EU students/year can be admitted in the MSc Program. Selection of applicants is based upon the assessment of all the submitted documents and an interview. Applicants admitted to the interview are informed via e-mail (sent to the account indicated in the application form) about the score received, as well as time and date of the interview. Interviews are held through video conference using Skype. A candidate not attending the interview within the scheduled slot will be excluded from the final ranking list. The selection process is carried out by an Internal Evaluation Committee (CIV) of lecturers nominated by the Decree of the Director of the study program. By the end of the selection procedures, the Evaluation Committee issues a final ranking list of the applicants.
	Candidates shall pre-enrol at the relevant Italian Embassy or Consulate in the "Master of Science in Computer Engineering (LM-32)" program offered by University of Pisa. Pre-enrolment is a mandatory requirement for the VISA issue and the matriculation process. Pre-enrolment terms are established by the Italian Embassies or Consulates (further information at: http://www.study-in-italy.it). Selected applicants can then enroll in the MSc program, following standard procedures of enrolment at the University of Pisa. Admitted applicants holding a non-Italian degree shall also accompany the matriculation application with the original high school title, the original academic title, the official translation of the degrees into Italian, the consular legalization of the foreign titles, along with the "Dichiarazione di Valore" (Declaration of Value) issued by the Italian diplomatic representative authority in the country where the educational system of the university issuing the diploma belongs to.
Requirements for Admission	By the stated deadlines applicants must hold a Laurea di I livello (Bachelor of Science - First Cycle Degree) awarded by an Italian University, with a curriculum studiorum including at least the following minimal qualifications in terms of gained credits (CFU):

	-at least 36 CFU in one or more of the following scientific-disciplinar sectors: Mat/03, Mat/05, Mat/08, Mat/09, Fis/01
	-at least 48 CFU in one or more of the following scientific-disciplinar sectors: Ing-Inf/05 (at least 12 CFU), INF/01
	-at least 18 CFU in one or more of the following scientific-disciplinar sectors: Ing-Inf/03, Ing-Inf/04, Ing-Inf/01, Ing-Ind/31, Ing-Ind/35. At least the following "Lauree di I livello" satisfy such minimal qualifications: -Information Engineering (corresponding to Classe 9 - Ingegneria dell'Informazione, according to the Italian system of first cycle degrees classes as per DM 509/99);
	-Information Engineering (corresponding to Classe L-8 - Ingegneria dell'Informazione, according to the Italian system of first cycle degrees classes as per DM 270/04).
	Other "Lauree di I livello" awarded by an Italian University in other subjects will be also accepted provided that the applicant possesses the minimal qualifications stated above.
	Bachelor of Science or equivalent first cycle degree awarded by a foreign University after the completion of at least three-year course of study, in one of the subjects previously listed in a) and b) or equivalent (Bachelor in Computer Science, Computer Engineering, Electrical Engineering, Electronic Engineering, Information Technology, etc.).
	As far as the selection reserved to EU Applicants, under specific terms and conditions, admission is extended also to non-graduated applicants. In this case, a successful application will be conditional to the subsequent completion of the degree and the transmission of adequate documentation not later than December of the current academic year.
	In addition to the academic degree, applicants must also hold a good knowledge of English, at least corresponding to an intermediate level.
Deadlines for application	Applicants are requested to apply online following instructions available at: **http://ce.iet.unipi.it/mce** by Non-EU applicants: **May 31, 2012 at 1 pm (GMT)** Eu applicants must follows instructions and dates given at http://matricolandosi.unipi.it/index.php?page=default&id=35&lang=it
Websites and contacts	**http://ce.iet.unipi.it/mce** Study Program Director – Prof. Gigliola Vaglini, gigliola.vaglini@iet.unipi.it Coordination Manager - Ms. Barbara Mancini, barbara.mancini@ing.unipi.it