

UNICORE 5.0 - Admission requirements table

Second Cycle Degree Programs at Florence University	About this degree	Full list of offered courses	Minimum Entry Requirements: First Cycle or Bachelor Degree in an appropriate subject, listed below	Additional Entry Requirements (when applicable): Minimum number of compulsory exams in preparatory disciplinary areas, required for enrollment in each Second Cycle Degree Program
School of Agriculture Natural Resources Management for Tropical Rural Development	<p>The MSc in Natural Resources Management for Tropical Rural Development is a two years cutting-edge graduate program, which promotes research and professional training in the sectors of modern and sustainable agriculture, animal science and natural resource management.</p> <p>The objective of the MSc is specialist education and training in food production, environmental conservation and rural development with the purpose of improving food and water security, conservation of biological resources, capacity building and empowerment of local communities.</p>	<p>https://www.unifi.it/p-cor2-2020-101221-B216-E28-1-0.html (curriculum: Agricultural production)</p> <p>https://www.unifi.it/p-cor2-2020-101221-B216-E29-1-0.html (curriculum: Land and water)</p>	Agriculture, Forestry, Biological Science, Food Science.	Agronomy, Tree Crops, Herbaceous crops, Plant pathology and entomology, Animal husbandry, Agricultural hydraulics.
School of Architecture Architecture Curriculum: Architectural Design	<p>The aim of the two-year Master's course in Architecture is the advanced training of Architects.</p> <p>Students will learn the Architectural Design process, from its conception to its construction on the building site.</p> <p>They will learn to conceive and manage architectural and urban transformation in complex urban systems, both historical and modern, and related contemporary construction techniques, developing a deep knowledge of materials from the perspective of environmental and economic sustainability.</p> <p>They will also learn design thinking methods and techniques for managing architectural heritage conservation processes suitable to their specific contexts.</p>	<p>https://www.architetura.unifi.it/p-cor2-2020-101222-B076-D59-1-0.html</p>	Architecture, or any other equivalent qualification	Candidates have to send a pdf file with their architecture design contests, their dissertation, their architecture designs (texts and graphic material included)
School of Architecture Urban and Regional	<p>The MSc Course in <i>Planning and Design for Urban and Territorial Sustainability</i> aims to train professionals experts in urban and sustainable spatial planning and planning through innovative and multidisciplinary knowledge and "treatment of complex</p>	<p>https://www.clurpd.unifi.it/</p>	Bachelor in Urban and regional Planning, Urban Studies or Architecture encompassing exams	If not fitting with the minimum entry requirements, candidates studies career will be scrutinized especially considering if containing skills in the following disciplinary fields:

UNICORE 5.0 - Admission requirements table

<p>Planning and Design for Sustainability</p>	<p>problems" in relation to the urban system, territory, environment and landscape. The training offered by the CDS supports the ability to manage and intervene in different contexts, in the north and south of the world, in metropolitan areas, small and medium-sized cities, rural areas and inland areas, transforming them into resilient places to rebuild the conditions of an inclusive, fair and sustainable life. The MSc also offers courses inserted in the European program EUniWell.</p>		<p>referring to the spatial planning field</p>	<p>Urban and Regional Planning and/or Design, City and territory history or in alternative Urban or Architecture history; Environmental or Agroforestry Science or Agrarian Economics. If reputed necessary will be organized specific thematic seminars to support incoming students from studies field other than Urban and Regional Planning and , especially, for foreign students, ,aimed at the integration and consolidation of needed knowledge.</p>
<p>School of Economics and Management Design of Sustainable Tourism Systems</p>	<p>The Master Program aims to provide a thorough understanding, at the university master level, of the contemporary techniques of organization and management of tourism activities. The DSTS program deals with the sustainable management of natural, cultural and historical resources. The remarkable growth of tourism requires considerable planning activities by both the public and private sectors in order to maximise economic returns while acing the potential negative impacts on the environment. The graduates will acquire basic competence in the fields of human and social sciences, and a good command of information technology and of statistical techniques. These skills are indispensable for a real-world interpretation of tourism trends and of taste changes of the tourist population. The Master Program also provides legislative, historical and geographical knowledge useful for valorizing the resources and the cultural heritage of a territory.</p>	<p>https://www.dsts.unifi.it/vp-131-study-plan.html</p> <p>https://www.dsts.unifi.it/upload/sub/2-course-offering/B205_piano_di_studio22_23.pdf</p>	<p>Management and Economics; Modern languages and cultures; Statistics and Demography; Geography and environmental sciences; Sciences and technologies for the environment and nature; Political sciences and Sociology; History and cultural heritage.</p>	<p>At least one exam in the fields of economics; management; or demography and statistics; Basic knowledge of data processing.</p>
<p>School of Economics and Management Economics and Development</p>	<p>The two-year MSc in Economics and Development provides two curricula: a curriculum in Development Economics and a curriculum in Economics. Each curriculum prepares students for different careers, and it is a worthy experience which provides students with a competitive advantage in any profession that requests a diversified spectrum of skills to analyse and possibly solve socio-economic problems within international organisations, companies or governments. Key competences acquired by graduates which are highly valued by employers include solid economic knowledge, problem-solving skills, analytical thinking and economic intuition. A sound background in economics and quantitative methods is matched with a multidisciplinary approach (legal, business, finance, historic, etc) to allow students to develop other useful skills</p>	<p>Curriculum in Development Economics: https://www.development.unifi.it/upload/sub/DEV_ECO_22_23.pdf</p> <p>Curriculum in Economics: https://www.development.unifi.it/upload/sub/econ%20track%20</p>	<p>Economics, Business Economics, Statistics, Mathematics, Political Science and International Relations</p>	<p>Applicants must prove a solid background in Economics, Mathematics and Statistics. Applicants should have achieved at least a High Second-Class degree or an equivalent international qualification in their country.</p>

UNICORE 5.0 - Admission requirements table

	for the job market.	econ%202022-2023.pdf		
School of Economics and Management <i>Finance and Risk Management</i>	<p>The two-year MSc in Finance and Risk Management offers its prospective students an advanced education in finance, quantitative risk management and insurance, banking and financial accounting.</p> <p>The course is a combination of economic theory for finance with quantitative methods (probability theory, statistics, numerical analysis and computational methods) to quantify and manage risk arising from financial, economic and insurance applications.</p> <p>The MSc mix theory and practice, academic lectures and interaction with finance practitioners and empirical sessions.</p>	https://www.frm.unifi.it/vp-186-study-plan-2020-2021.html	Management, Economics, Statistics, Mathematics, Physics	The candidates for the MSc in Finance and Risk Management must prove a strong knowledge of mathematics, statistics and social sciences as well as some familiarity with information technology and data analysis software. Applicants for this program should have achieved a First Class or High Second Class (Upper Division) degree or an equivalent international qualification in their country.
School of Engineering <i>Geoengineering</i>	<p>The master degree in Geoengineering is an interdisciplinary master dedicated to train specialist of monitoring, design and management for geohydrological risk reduction with particular reference to floods, landslides, subsidence, sinkhole and in general to slope and basin scale dynamics.</p> <p>The master course aims to train specialists able to:</p> <ul style="list-style-type: none"> - know and develop methods and techniques for territorial survey and related data analysis at different scale of work; - apply new technologies for the prevention and protection of man and environment from geo-hydrological hazards; - develop an integrated approach for the assessment of geo-hydrological hazards; - cope with problems raising from monitoring and management of the territory and the environment; - achieve expertise for geo-hydrological risk assessment and management. 	<ul style="list-style-type: none"> - https://www.ing-gem.unifi.it/vp-148-educational-plan.html - More information on the program are available at ing-gem.unifi.it 	To be admitted to the Master Course in Geoengineering, it is required a first cycle or a single cycle degree awarded by an Italian or a foreign University, that allows the continuation of studies to the next level.	Applying students have to retain the general educational requirements and possess an adequate personal education background, certified by a specific authorization (nulla osta) issued by the Education Committee of the School of Engineering. Detailed information are available at: https://www.ing-gem.unifi.it/vp-143-enrollment.html

UNICORE 5.0 - Admission requirements table

<p>School of Engineering Mechanical Engineering for Sustainability</p>	<p>The Master of Science program in Mechanical Engineering for Sustainability (MES) is conceived to provide the new generation of engineers with those technical skills requested by the job market to support the industry transition towards a more sustainable and greener productive paradigm. The traditional background of a mechanical engineer is enriched with competences on legislation and methods in the field of sustainability and circular economy. The program makes use of modern teaching approaches to steepen the learning curve and to facilitate the knowledge application to industry relevant case studies. Specific attention will be given to project works, developed in teams, and assigned in cooperation with industrial partners. Within the MSc program, three different curricula have been created, each of which pursuing one of the Sustainable Development Goals (SDGs) of the United Nations Agenda 2030:</p> <ul style="list-style-type: none"> • Design: focuses on product development with a structured innovation approach, comprehensive life cycle analysis and design, and production with the most sustainable technologies (contributes to SDG 9 – Industry innovation and infrastructure). • Energy Technologies: deepens the understanding of the generation and management of renewable energies and storage technologies, as well as the design methods and tools for system components and balance of plant (contributes to SDG 7 – Affordable and clean energy). • Mobility: gives insight in the development of the next generation of electric vehicles and their interaction with infrastructure, within the broader context of sustainable and automated mobility (contributes to SDG 11 – Sustainable cities and communities). <p>The MSc program is embedded in a wide international network of academic and research institutions because of the strong research partnerships at European level. In addition, the University of Florence is an active partner of EUniWell. In this context students will have the opportunity to implement Erasmus+ mobility projects in a stimulating environment.</p>	<p style="text-align: center;">- https://www.ing-mes.unifi.it/vp-142-courses-ay-2022-2023.html</p>	<p>To apply for the admission to the Master of Science program in Mechanical Engineering for Sustainability, the student must hold a bachelor's degree in one of the following Bachelor Classes (or an equivalent degree awarded abroad):</p> <ul style="list-style-type: none"> • Civil and Environmental Engineering (L-7 Class) • Information Engineering (L-8 Class) • Industrial Engineering (L-9 Class) <p>The compliance with aforementioned requirements will be verified by a Commission appointed by the Council of Industrial Engineering Programs (i.e. Consiglio Unico dei Corsi di Studio di Area Industriale).</p>	<p>Applying students have to demonstrate, with a curriculum or via an interview, the mastery of methods and contents in the preparatory disciplines of mechanical engineering: mechanical design and drawing, applied mechanics, machines, and energy systems.</p> <p>The preparation will be certified by an appointed commission, which will issue the clearance to enrollment.</p>
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UNICORE 5.0 - Admission requirements table

<p>School of Humanities and Education Geography, Spatial Management, Heritage for International Cooperation</p>	<p>The course trains highly qualified experts in territorial analysis and spatial development and management able to operate in the Italian and international labor market, and in particular in the field of development cooperation.</p> <p>The specific objective of the master program is to provide advanced theoretical and methodological skills to intervene on the physical, economic, social and cultural processes which affect the organization of the territory at different scales. Particular attention is devoted to managing tangible and intangible cultural heritage, integrated planning and projects for territorial development, planning for sustainable tourism development, GIS, Remote Sensing and Big Data.</p> <p>The set of training activities is framed within an international scientific and cultural vision with references to extra-European areas. The course offers opportunities to interact with overseas cooperation projects, as well as collaborative experiences with agencies, local authorities and associations in Italy.</p>	<p>https://www.spatialmanagement.unifi.it/upload/sub/StudyPlan_English_2020-2021.docx.pdf</p>	<p>Geography; Urban and regional planning; Urban design and landscape; Environmental sciences; Social sciences for cooperation and</p>	<p>Candidates must have acquired a First Cycle Degree in Geography. Alternatively, they must prove solid knowledge in at least one of the following domains: urban and regional studies; environmental studies; GIS, surveying and mapping; social sciences; history.</p>
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UNICORE 5.0 - Admission requirements table

<p>School of Mathematical, Physical and Natural Sciences <i>Advanced Molecular Sciences</i></p>	<p>The aim of this Master Degree is the training of Graduates in Chemistry with high scientific and professional qualifications. The Master will offer the opportunity to acquire top level knowledge and experience in the design, synthesis and characterization of complex systems and their applications in fundamental research and in industrial activities. The training project is aimed at overcoming the traditional dichotomy between the teachings of chemistry of synthetic materials and chemistry of biological molecules and to offer interdisciplinary skills.</p> <p>At the end of the Master course the Graduates will possess the skills that derive from the two areas for the design and study of the complex systems including materials, bio-pharmaceuticals, probes and theragnostic of the next generation.</p> <p>The molecular vision will bring about the development of new products and the precise control of their properties, providing effective and sustainable responses to the needs of the society in terms of new therapeutic approaches, new materials, new processes and new analytical methods.</p>	<p>https://www.master-ams.unifi.it/vp-143-list-of-courses.html</p>	<p>Chemistry or related degrees (industrial chemistry, biochemistry, chemistry of materials...)</p>	<p>The bachelor shall include at least 7 exams in chemical subjects with practical activity in organic, inorganic, chemical physical and analytical chemistry</p> <p>As well, 3 exams in mathematics and/or physics shall be included</p>
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<p>School of Political Science <i>International Relations and European Studies</i></p>	<p>The two-year Master's Programme intended to provide a background in the legal, economic, historical and political science fields necessary in the international or European context. In the International Relations track, students explore various issues, including international law related to the protection of human rights, the relationship between religion and international relations, economic and taxation issues, education and health, and the role of supranational institutions. The International Relations track prepares students interested in pursuing a diplomatic career or working positions in international organizations, NGOs, international cooperation agencies, consulting agencies, journalism, research centers. The European Studies track aims to train professionals with in-depth knowledge of the process of European integration and its current organization, with a particular focus on the structure and dynamics of EU functions, integration, the content of EU policy, and the EU's impact in national and international politics.</p>	<p>https://www.unifi.it/p-cor2-2020-101229-B087-GEN-1-0.html</p>	<p>Political Science, Sociology, International Studies, International Law</p>	<p>Prospective students must have passed at least 3 exams in the field of Law and/or Economics: International Law; Micro and Macro Economics. A sound knowledge in the field of International History, Political Science and Sociology is also considered to be important.</p>
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