List of available courses

**Architecture (Conservation)**

**Master's Degree** - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 15/06/2020

[EU Students] Applications open from 28/11/2019 to 15/09/2020

The Masters Degree revolves around the themes linked to interventions on the existing architectural and environmental heritage. The specific objective of the Masters Degree is the achievement of a peculiar sensibility and ability related to the modalities of intervention on pre-existing architectural and environmental heritage, and to the quality design of new architecture, taking into account the relationships with the pre-existent and the historical city. The Master's Degree builds up on the skills acquired in the Undergraduate Degree, enhancing them to a specialist's level, with particular reference to:

a) the historical-critical analysis of architecture, in its broadest sense (from the single manufacture to landscape and environment);

b) the ability to plan and execute, both with reference to modern architectural production and to the conservation and recovery of pre-existing structures;

c) specific scientific knowledge, acquired critically.

Programme's website:
https://sites.google.com/uniroma1.it/architectureconservation/home
https://corsidilaurea.uniroma1.it/en/corso/2019/29846/home

More info: architectureconservation@uniroma1.it

**Artificial Intelligence and Robotics**

**Master's Degree** - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 15/04/2020

[EU Students] Applications open from 28/11/2019 to 15/09/2020

The aim of the Master in Artificial Intelligence and Robotics is offering students the ability to interact with professional workers in Computer Science, Artificial Intelligence, Robotics, Mechanical, Electronics and Control Engineering and with professional users of the involved application areas such as the ones which need the representation and the use of knowledge or sensorial information, automatic machine learning, real time planning, industrial robotics and services, video and pictures detection and simulation and human-computer interaction.

Career opportunities: 1. Design and realization of robotic systems for service and industrial applications, specifically for security, space, home, elderly people, medicine; 2. Design and realization of intelligent systems as knowledge management systems and big data extractions, graphic systems and animation, for cinema and videogames industries, video surveillance systems and video systems for assuring the quality of products and services.

More info: admissions@diag.uniroma1.it

**Atmospheric Science and Technology**

**Master's Degree** - Taught in English - Duration (Years): 2
A.Y. 2020-2021
LMAST is a Master of Science (MSc) degree in the Physics class (LM-17), organized as an international inter-university programme, jointly proposed by the Sapienza University of Rome and University of L'Aquila. The unique feature of LMAST programme is to educate master students with solid knowledge and specific skills in the domain of atmospheric science from a physics and an engineering perspective. LMAST includes fundamentals of fluid mechanics, meteorology, electromagnetics and statistical mechanics as well as satellite Earth observation, radar meteorology, atmospheric remote sensing, dynamical meteorology and climatic modelling, environmental meteorology and monitoring. LMAST emphasizes system-related and interdisciplinary aspects aiming at forming experts in the fields of research, educational, professional and industrial careers. The LMAST graduate can obtain the Statement of learning curriculum conformity to the World Meteorological Organization (WMO) Recommendation BIP-M 1083.

More info:
lmast.univaqsapienza@uniroma1.it

**BSc Sustainable Building Engineering**
**Bachelor's Degree** - Taught in English - Duration (Years): 3
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 31/05/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020

The Degree aims to familiarize students with the knowledge and skills which provide a sustainable future as for existing buildings as for those they will design and build. The main purpose of this degree is to update traditional, world-renowned, Italian civil engineering skills, with a particular focus on sustainable development. To achieve this target, the Degree will ensure the acquisition of scientific and technological contents aimed to design, plan and manage solutions in terms of sustainable architecture, built environment sustainability of territories, following these principles: Lower energy demand and consumption buildings; Exploit climate and natural resources to develop passive design strategies and sustainable architecture; Reuse or recycle building materials; Extend the lifetime of buildings; Risk-free return of materials to the natural cycle; Adopt a sustainable use of the territory; Reduce urban sprawl, promote urban renewal and protection of natural areas

More info:
sbe@uniroma1.it

**Business Management**
**Master's Degree** - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 30/04/2020
[EU Students] Applications open from 28/11/2019 to 30/09/2020

The Degree Programme (CdS) in Business Management (class LM-77) aims to provide students with the advanced knowledge and skills in management and entrepreneurship needed for effectively addressing problems of firms in a fast-changing society. The Study Plan is structured as follows: Curriculum Business Management (taught in English) Double Degree - La Sapienza Università di Roma - SRH Hochschule Berlin - Northern Illinois University – Dekalb Moscow State Institute of International Relations (MGIMO) - North-Caucasus Federal University (NCFU) - Institute of Economics and Management - Stavropol Curriculum Marketing Curriculum General Management and Sustainability.

More info:
internationalstudents-eco@uniroma1.it

**Chemical Engineering**
**Master's Degree** - Taught in English - Duration (Years): 2
A.Y. 2020-2021

The curriculum “Chemical Engineering for Innovative Processes & Products” of the MSc in Chemical Engineering provides the student with a solid preparation and specialized knowledge in the fundamental theoretical and industrial aspects of chemical processes and operations and of materials technology. The particular focus is on micro/nano-scale aspects and on reduced environmental impact in the different application areas of (i) design, management and control of innovative industrial processes and plants; (ii) design and management of industrial processes for the sustainable production and processing of traditional and innovative materials; (iii) management of pollution prevention, environmental protection, and safety in process plants where substances are handled or produced.

More info:
master.chemicalengineering@uniroma1.it

Classics
"Bachelor's Degree" - Taught in English - Duration (Years): 3
A.Y. 2020-2021

The master's degree course, in short, has the task to train, for the first time in the Italian university system, clinical psychologists and sexologists. The graduated student, in particular, will have specific competences in managing the individual, the dyad, the family, up to the social and cultural macro area. The Master Degree in Clinical Psychosexology includes various areas such as: research, evaluation, diagnosis and intervention to which psychological and medical disciplines such as psycho-sexology, dynamic psychology, clinical psychology, evolutionary psychopathology contribute theoretically and methodologically, medical sexology, forensic psychology and the history and sociology of sexual mores.

More info:
clinical.psychosexology@uniroma1.it

Cognitive Neuroscience
Master’s Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

The master in Cognitive Neuroscience is particularly suited to students interested in understanding the neural correlates of the cognitive processes as well as the relationship between the development of the mind and...
the brain. The aim is to train students with a psychology major (BA) with the perspectives from cognitive neuroscience, cognitive psychology and developmental neuroscience as well as hands-on training in imaging methods. The course trains students to carry out research in cognitive neuroscience offering high-level teaching, large space to practical supervised activity in didactic and professional labs and the possibility to carry out an experimental thesis at the research labs of our Department and in partner institutions. The master features twelve courses that offer a high level of specific preparation (90 ECTS) and practical training activities for a total of 120 ECTS. The Master course is open to a maximum of 40 students per year.

More info:  
cognitivenueroscience.lm51@uniroma1.it

Computer Science
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 28/11/2019 to 30/04/2020
[EU Students] Applications open from 28/11/2019 to 01/09/2020
Our Master program in Computer Science (LM-18) is conceived to provide both a broad grounding in Computer Science and in-depth knowledge of a number of emerging application areas. All courses are taught in English. Students can choose one of four curricula: INFORMATION SCIENCE AND APPLICATIONS providing students with a strong foundation in general Computer Science. MULTIMEDIA COMPUTING AND INTERACTION providing students with knowledge of the fundamentals, methodologies and techniques for processing and interacting with multimedia content, i.e. graphics, text, audio and video material. NETWORKS AND SECURITY aimed at preparing future innovators and researchers in systems, networking, cryptography, and security. SOFTWARE ENGINEERING introducing students to adequate methodologies for the design and analysis of complex and critical software systems.

More info:  
computerscience.lm18@uniroma1.it
info-computer-science-degrees@di.uniroma1.it

Control Engineering
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 28/11/2019 to 15/04/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020
The Master in Control Engineering introduces the student to the basic methodologies of Automatic Control such as: - modeling and identification of dynamic systems; - measurement processing and on-line filtering of sensor data; - use of feedback to stabilize the behavior of a process and optimize its performance; - integrated design of automatic control systems. These methods are pervasive in various engineering fields and necessary in dealing with advanced applications in industrial and service automation. The master-level formation is based on a general approach to the analysis and design of complex automatic control systems and teaches the technical know-how for implementing such automatic systems, keeping into account the nature of the target applications. It provides the tools for describing and understanding the main issues in engineering problems, develops the capacities for designing and running automatic systems and processes, and enhances the skills in scientific innovation.

More info:  
admissions@diag.uniroma1.it

Cybersecurity
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 15/11/2019 to 31/05/2020
[EU Students] Applications open from 19/11/2019 to 15/09/2020

The Laurea Magistrale in Cybersecurity of the Sapieza University of Rome is characterized by an interdisciplinary offering that collects contributions from computer science, engineering, statistics, legal-economic and organizational sciences, along with specific knowledge of the major application domains of cyberattack protection. This master's degree provides English only teaching to facilitate integration into an international work environment, and the participation of foreign students and professors. The MSc in Cybersecurity provides three study plans designed to train professionals with different skills, namely: the Software plan, the Processes and Governance plan, and the Infrastructures and Systems plan. This master's degree is a 2-year, 120 ECTS program ending with the development and discussion of a final thesis project.

More info: cybersecurity_info@uniroma1.it

Data Science
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 30/04/2020
[EU Students] Applications open from 28/11/2019 to 10/09/2020

The remarkable increase in the volume and complexity of available data and new technologies that have been developed to process them requires a combined multi-disciplinary approach to design an overall strategy aimed at transforming data into useful information. Key ingredients to develop a successful strategy are data manipulation and visualization, large scale computing, statistical modelling, learning techniques, algorithmic thinking. Laurea Magistrale in Data Science is a joint i3S Faculty initiative combining the expertise of four Departments:
- Department of Computer Science (DI)
- Department of Computer, Control and Management Engineering (DIAG)
- Information Engineering, Electronics and Telecommunications (DIET)
- Statistics (DSS)

This Master's program provides a solid and modern preparation to understand and manage the multi-facet aspects of carrying out a complete data analysis, including acquisition, management, and statistical analysis.

More info: admissiondatascience@diag.uniroma1.it

Development and International Cooperation Sciences - Economics for Development
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 02/12/2019 to 30/04/2020
[EU Students] Applications open from 02/12/2019 to 06/09/2020

The interfaculty MSc programme in Development and International Cooperation provides students with the competences necessary to analyze institutional and cultural factors and to plan and manage cooperation initiatives to aid developing countries. The programme, which has been developed by the Faculties of Political Science, Sociology, Communications, and Humanities, provides students with interdisciplinary knowledge and the tools necessary to analyse and comprehend the context they will find in developing countries, as well as to manage peace projects and international development cooperation programs.

The programme also provides students with advanced skills that will allow them to:
- Design, develop, implement and direct integrated cooperation programmes and development projects;
- Monitor and assess projects and programmes;
- Use communication and information management tools

More info: internationalstudentscoris@uniroma1.it
magistralicoris@uniroma1.it

**Economics**

**Master's Degree** - Taught in English - Duration (Years): 2  
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 30/04/2020  
[EU Students] Applications open from 28/11/2019 to 30/09/2020

The Master of Science Program in Economics at Sapienza University of Rome provides students with a sound knowledge of economic analysis and quantitative methods for economics. Graduates will be able to interpret the economic mechanisms and understand the behavior and the decision process of economic agents and financial institutions. They will also develop the ability to analyze the functioning of markets and forecast the future evolution of economic and financial variables. Interdisciplinarity and the international orientation of the Program are indeed among its strengths. As for the work opportunities, they are largely focused on jobs with a strong emphasis on economic and financial analysis. Typically, career opportunities for our graduates in Economics are available at policy institutions, international organizations, financial and non-financial corporations, consulting firms, research centers and regulatory authorities.

More info: internationalstudents-eco@uniroma1.it

**Economics and Communication for Management and Innovation**

**Master's Degree** - Taught in English - Duration (Years): 2  
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 30/04/2020  
[EU Students] Applications open from 28/11/2019 to 15/09/2020

Economics and communication for management and innovation is a multi-disciplinary programme specifically based on the needs of enterprises and Confindustria, the main Italian Association of Entrepreneurs. The programme is based on enterprise science, digital communications and applied computer science. The objective is to train professionals who will be able to meet the multi-disciplinary requirements of modern enterprise, extending the traditional curricula of single-faculty programmes and moulding economics, computer science and social sciences. The programme will provide students with skills in enterprise communications, innovation process management skills, and enterprise strategies and tools for innovative and international contexts.

More info: internationalstudents-eco@uniroma1.it

**Electrical Engineering**

**Master's Degree** - Taught in English - Duration (Years): 2  
A.Y. 2020-2021

[NON-EU Students] Applications open from 19/11/2019 to 15/04/2020  
[EU Students] Applications open from 19/11/2019 to 15/09/2020

The MSc programme in Electrical Engineering provides advanced scientific and professional skills in this specific field, covering also the following topics:
- Production, transmission and distribution electrical systems
- Renewable energy sources (RES) and electrical storage
- Electric mobility (e-mobility)
- Smart grids
- Electrical markets
- Power quality, business continuity and electrical resilience
- LV, MV, HV installations and components

The MSc programme in Electrical Engineering is designed to train highly qualified electrical engineers able to work both in SME and in large organizations. Graduates will also be able to apply for PhD or other research positions in universities and private sectors. Available statistics show that the employment rate in this field is greater than 98%.

More info:
ee_admissions@uniroma1.it
massimo.pompili@uniroma1.it

Electronics Engineering
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 15/06/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020
The Master Degree in Electronics Engineering Programme (class LM-29) provides students with specific skills related to electronic digital systems, integrated components, microwave circuits, radiofrequency systems and advanced communications together with multidisciplinary laboratory competences and mathematical advanced topics. A set of subjects going from discrete circuits to machine learning, from advanced antennas to electromagnetic scattering, from circuit design to embedded systems, from nanoelectronics to power electronics, from optoelectronics to lasers and accelerators, from environmental electronics to Earth observation, from bioengineering to wireless communication systems can complete the MDEE. External stages for carrying out the master thesis are also foreseen. The programme emphasises system-related and interdisciplinary aspects and is closely linked with research and innovation activities in the Italian and international job-market context.

More info:
ingegneria_elettronica.lm29@uniroma1.it

Energy Engineering
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 01/05/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020
The Masters Degree in Energy Engineering aims providing a specific education on techniques and systems involved in energy generation and conversion. Specifically, arguments related to technological solutions, conversion, safety, management and control of plants powered by fossil fuel, renewable energy sources and nuclear sources.

More info:
monica.fiorini@uniroma1.it

Engineering in Computer Science
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 15/04/2020
The aim of the course is to train Computer Engineers with specific expertise both in the sector of Computer Science, focusing on software applications, and in the sectors of information processing systems and security, assessment of system performance, and optimization of information processing and network systems. The course prepares students for the following jobs:

- Software analysts and engineers, able to design, develop, modify and optimize software applications based on the needs of final users; analyse data processing problems for different computing needs and develop, identify and optimize information processing systems; design, integrate and verify software employed in web applications.
- Engineers for the planning and management of systems and networks: these professionals identify and optimize ad-hoc information management systems; plan and implement security measures for information systems to regulate data access and prevent unauthorized data access.

More info: admissions@diag.uniroma1.it

English and Anglo-American Studies
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 17/01/2020 to 31/05/2020
[EU Students] Applications open from 17/01/2020 to 15/09/2020
The English and Anglo-American Studies MA programme of the Faculty of Arts and Humanities provides a high specialisation, focusing on the Anglophone world, language, literature and culture, as well as translation. Additional core/subsidiary subjects include Art, Fashion, Linguistics, Philosophy, Italian, Computing for the Humanities and New World Cultures. Admission is dependent upon possession of entry requirements and personal competences: 84 credits in various disciplines in BA degree, of which 54 in English and/or Anglo-American Language and Literature (24 in Language, or certified level). Students, however, can enrol in single modules prior to full enrolment.

More info: mario.martino@uniroma1.it
iolanda.plescia@uniroma1.it
irene.ranzato@uniroma1.it

European Studies
Master’s Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 28/11/2019 to 15/06/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020
The MSc in European Studies aims to train high-profile professionals who will work in the increasingly global international economical and juridical context that is being driven by the development of European integration. The programme provides students with advanced knowledge and skills concerning the methodologies, cultural aspects and professional requirements that will enable them to develop original solutions to the juridical, economic, social and historical issues that are emerging on the new European and international scenarios. The European Affairs Masters Programme provides students with two different curricula: “EU Law and Economics” and “Comparative and European Law.”

More info: europeanstudies.sapienza@uniroma1.it
Fashion Studies  
**Master's Degree** - Taught in English - Duration (Years): 2  
A.Y. 2020-2021  
[NON-EU Students] Applications open from 20/12/2019 to 30/05/2020  
[EU Students] Applications open from 20/12/2019 to 31/08/2020  
The Masters Programme in Fashion (LM-65) prepares students for high-level responsibilities in the world of fashion, as well as its relations with figurative arts, communications and entertainment, or for independent careers in the fashion industry and a wide range of related fields. Students acquire skills and specialist knowledge related to the development of the fashion industry, both historically and as an on-going trend, with special attention to cultural, symbolic and economic/financial factors, as well as the entrepreneurial and management skills necessary to work in this field. The Master programme uses interdisciplinary teachings involving scholars from several disciplines, including humanities, social sciences, marketing, and technical and management disciplines. Strong professional connections in the field of fashion provide students with insight into today’s world of fashion. The Master is organized in 4 semesters (2 years) and provides students with mandatory and optional courses. There are only two compulsory courses, during the first year (I semester). In each semester (and year) students are given the chance to choose between a number of selective courses within specific disciplines groups. In this way students are given a relevant freedom to specialise their learning. Lessons are concentrated in three semesters; the last one is dedicated to the final thesis, internship experiences and Erasmus mobility. The programme provide students with more opportunities of seminars, workshops, events and hosts international scholars for special lectures about fashion.

More info: masterfashionstudies@uniroma1.it

Finance and Insurance  
**Master's Degree** - Taught in English - Duration (Years): 2  
A.Y. 2020-2021  
[NON-EU Students] Applications open from 04/12/2019 to 30/04/2020  
[EU Students] Applications open from 04/12/2019 to 01/09/2020  
The Financial Risk and Data Analysis curriculum (entirely taught in English) of the Masters programme in Finance and Insurance aims at providing students with a wide range of advanced quantitative and programming tools together with technical instruments and a sound knowledge of the complex regulatory system which governs the financial markets. Students will acquire the knowledge and capabilities needed to analyze financial data and to use them to measure and manage risk, to make forecasts, and to build models in order to address most of the technical challenges faced by companies and institutions in the finance and insurance industry, and also in other environments. Graduates will have the skills required for a successful career in financial institutions or major corporations or to enter a PhD programme in Finance.

More info: internationalstudents-eco@uniroma1.it

Genetics and Molecular Biology  
**Master's Degree** - Taught in English - Duration (Years): 2  
A.Y. 2020-2021  
[NON-EU Students] Applications open from 28/11/2019 to 15/06/2020  
[EU Students] Applications open from 28/11/2019 to 07/09/2020  
1) an in-depth knowledge of the unicellular and multicellular organisms that may be used as models to study
basic mechanisms of gene expression or cell development, differentiation and transformation
2) the acquisition of genetic concepts and methodologies, with special regard to those used in the genetic
dissection of complex processes and to study human populations
3) an in-depth knowledge of the molecular bases of the main processes involved in the regulation of nucleic
acid and protein structure and function
4) the knowledge of basic methodologies to study and manipulate biological macromolecules
5) the ability to investigate and develop basic methodologies which may be usefully applied to biomedical and
biotechnological research
6) the acquisition of genetic-molecular skills for the diagnosis and treatment of genetic diseases
7) the skills suitable to identify the biological processes grounding the physiopathology of organs and
systems, with special regard to human beings

More info:
prisca.ornaghi@uniroma1.it

Health Economics
Master’s Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 28/11/2019 to 30/04/2020
[EU Students] Applications open from 28/11/2019 to 01/09/2020
The Master’s programme of Health Economics (LM-56) offers multidisciplinary preparation in the field of
health economics and policy, health law, business management of public and private firms operating in the
health industry. The Master’s programme trains economists, consultants and specialists to satisfy the
increasing demand of qualified experts in the health sector. Graduates can hold senior positions in direct
support of the General Director/Administrative Director/Top management of public institutions or private firms
in the health sector, in national or international governmental organizations working in the field and in public
or private research institutions.
Possible employers can be: -Government agencies and regulatory authorities operating in healthcare sectors
-Ministries and other bodies responsible for health planning; -National and international organizations such as
among others ISTAT, OECD, WHO, WORLD BANK - regulatory and programming bodies -NGOs -University

More info:
healtheco.ecodir@uniroma1.it
internationalstudents-eco@uniroma1.it

Mechanical Engineering
Master’s Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 15/11/2019 to 15/04/2020
[EU Students] Applications open from 15/11/2019 to 15/09/2020
The Master of Science in Mechanical Engineering aims at training young engineers with an advanced
education, providing them with skills in designing, planning and managing complex activities of research and
development in an industrial environment. This goal is achieved by means of a broad training proposal based
on advanced mathematics and physics, and professional expertise targeted to the solution of complex
engineering problems concerning design of processes, plants, systems, devices, machines. Engineering
Design professionals educated at Sapienza can work as technology specialists in a wide range of fields,
including manufacturing, mechatronic, transportation (automotive, naval, aeronautical and railroad),
conventional and renewable energy production, biomechanics and many others. In these settings
mechanical engineers are responsible for design, testing, manage, research and development services.

More info:
mechanicalengineering@uniroma1.it
MSc Sustainable Building Engineering

**Master's Degree** - Taught in English - Duration (Years): 2

A.Y. 2020-2021

[NON-EU Students] Applications open from 17/12/2019 to 15/06/2020

[EU Students] Applications open from 17/12/2019 to 15/09/2020

The Master’s Programme (second cycle – 120 ECTS) Sustainable Building Engineering, given in Rieti, is aimed to educate a Master Engineer, aware of the goals of the Agenda for Sustainable Development released by United Nations, with a specific relationship to building engineering, such as: to develop quality, reliable, sustainable and resilient buildings and environment; to upgrade them and retrofit industries to make them sustainable; to facilitate sustainable and resilient city and territory development; to reduce the number of deaths and the number of people affected by disasters, including water related disasters, water resources lack and seismic related ones, with a focus on protecting the poor people in vulnerable situations, due to, also, groundwater resources supply scarcity; to reduce the adverse pro capita environmental impact of cities, also by paying special attention to air quality and “municipal and other” water, wastewater and solid wastes management;

More info:

sbe@uniroma1.it

Nanotechnology Engineering

**Master's Degree** - Taught in English - Duration (Years): 2

A.Y. 2020-2021

[NON-EU Students] Applications open from 02/12/2019 to 15/05/2020

[EU Students] Applications open from 02/12/2019 to 30/07/2020

All the details and info here: web.uniroma1.it/nano/en

The Master of Science in Nanotechnology Engineering is designed to offer an advanced scientific and professional education focused on the analysis, development, simulation and optimization of devices, materials and processes based on the use of nanotechnologies for several applications in the field of Industrial Engineering.

The Program (for a total of 120 CFU) is organized into two alternative strands:
A: most of the courses taught in Italian
B: with all the courses taught in English

Both strands include:
I) 8 mandatory courses (72 CFU)
II) 1 course (6 CFU) to be selected among a group of alternative teachings
III) 2 free-choice courses (12 CFU) IV) Other activities aimed at preparing students for careers after graduation (1 CFU)
VI) Final Thesis preparation and defence (17 CFU)

CFU is the Italian equivalent of ECTS (European Credit Transfer System): 1 CFU = 30 hours of study (10 hours of lectures + 20 hours of homework)

More info:

ingegneria_nanotecnologie.lm53@uniroma1.it

Physics

**Master's Degree** - Taught in English - Duration (Years): 2

A.Y. 2020-2021

[NON-EU Students] Applications open from 01/12/2019 to 30/05/2020

[EU Students] Applications open from 01/12/2019 to 31/08/2020
The master's degree program in Physics is divided into four tracks/curricula. The Particle and Astroparticle Physics track, delivered in English, aims to provide a solid control of subnuclear physics, focusing mainly on experimental aspects. The Condensed Matter Physics track, delivered in English, aims instead to provide an in-depth knowledge of the theoretical and experimental aspects of condensed matter. The Biophysics track (delivered in English) focuses on biophysics, both from a computational and an experimental point of view. The General Theoretical Physics track, on the other hand, allows the student to study theoretical topics in the field of gravitation (courses delivered only in Italian), elementary particles (partly delivered in English, partly in Italian), statistical mechanics, and complex systems.

More info:
fisica-lm17@uniroma1.it

Product Design
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 04/12/2019 to 30/05/2020
[EU Students] Applications open from 04/12/2019 to 10/09/2020

The M.Sc. in Product Design is for who want to deepen their design skills and explore technologies, cultural languages, and business. Our students will face creative challenges in developing products and services to improve people's lives. They will design extensively, think creatively and reflect critically. The Master is organized in 4 semesters aimed to acquire innovative skills in Aesthetics, Social Communication, Intelligent Technologies, Digital Representation, Mechanics; exploring and practicing the most recent Design Thinking; understanding and developing sustainable, smart and innovative production and consumption processes. The final work is a research-based activity aimed to develop a functional prototype of an innovative product or service, in collaboration with R&D departments or universities labs or research centres. Our graduates can spend their skills at the management level within companies, or launch new start-ups, or continue their training during the Ph.D. course.

More info:
msproductdesign@uniroma1.it

Science and Technology for the Conservation of Cultural Heritage
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 15/06/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020

The Study Programme, that has a two-year duration and is provided in two curricula (in Italian and in English), aims to train experts in the field of cultural heritage conservation and archaeometry. They will be able to analyse conservation problems and to detect deterioration processes thanks to their knowledge of the physical, chemical and structural properties of materials, as well as to identify any possible remedies. The multidisciplinary nature of the cultural heritage field calls for a variety of programmes which allows to meet the scientific and professional requirements of such field and provides at the same time a group of courses to complete the humanities education and to offer specialisation in general disciplines. Training is completed by means of internships at university scientific labs or at public and private bodies of the field.

More info:
scienzebc@uniroma1.it

Space and Astronautical Engineering
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 15/04/2020
The Programme provides students with specific skills in space mission planning and in analysis & design of launchers, satellites and remote metering/telemetry systems. It emphasises systems-related and interdisciplinary aspects and is linked with research/innovation activities in European aerospace industries. Graduates will be able to address complex issues requiring analysis, development, simulation and optimization in a wide range of aerospace-related topics. The Aerospace Engineering curriculum held in English is organized as follows. 1st year: knowledge is provided in major aerospace areas, Spaceflight Mechanics & Attitude Dynamics, Controls, Fluid Dynamics, Propulsion, Structures and Space Systems. 2nd year: students select courses from a wide range of Space and Astronautical Engineering topics.

Selection Process: Admission/rejection letters are sent by 7 days from application; if letter is not received in 7 days, candidates may be admitted in April if places are available.

More info:
aerospaceengineering@uniroma1.it

Statistical Methods and Applications
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

SMA - Statistical Methods and Applications - is the acronym of the brand-new two-year Master of Science (corresponding to the Italian Laurea Magistrale degree) entirely taught in English and delivered by the Department of Statistical Science (DSS). DSS is the largest Department of Statistics in Italy and its faculty members enjoy international reputation in teaching and research. DSS hosts one of the most powerful computing resources at Sapienza University of Rome. The Master programme is entirely held in English. It provides students with specific statistical skills through a suitable mix of advanced data modelling methodologies and hand-on professional training to address complex scientific and socio-economic problems.

More info:
sma-dss@uniroma1.it

Transport Systems Engineering
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021

The Master Degree in Transport Systems Engineering aims at providing Students with high-level qualifications, so as to allow them to perform and manage a wide variety of activities connected with planning, programming, operating, monitoring transport systems and their components.

The professional skills of a Transport Systems Engineer include:

- methods to design transport systems: formulation of dimensional and performance specifications for system components;
- models for mobility of people and goods, for transport supply on multi-modal networks, for demand/supply interaction and equilibrium calculation;
- design and implementation of transport systems (technical and economic aspects), transport and mobility plans on different levels;
- on-line and off-line models for transport system operations and management;
- monitoring and ex-ante/ex-post assessment of mobility solutions from the technical, economic and
environmental point of view.

More info:
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Architettura - Rigenerazione urbana
Master's Degree - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 12/02/2020 to 15/05/2020
[EU Students] Applications open from 12/02/2020 to 15/09/2020

More info:
carmela.mariano@uniroma1.it; architettura-rigenerazioneurbana@uniroma1.it

Architettura (Restauro)
Laurea Magistrale - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 11/12/2019 to 15/04/2020
[EU Students] Applications open from 11/12/2019 to 31/08/2020
Obiettivo specifico del corso di laurea magistrale, che soddisfa gli obiettivi formativi qualificanti della classe LM-4, è il raggiungimento di una peculiare sensibilità e capacità riferite alle modalità d'intervento sul patrimonio architettonico e ambientale esistente e alla progettazione di qualità della nuova architettura, con speciale attenzione al rapporto con le preesistenze e con la città storica. Il corso di laurea magistrale proposto prevede, nei due anni di studio, l'ampliamento delle competenze, maturate nel precedente corso di laurea triennale, in termini specialistici: a) di capacità d'analisi storico-critica e storico-tecnica dell'architettura, intesa nel suo senso più ampio (dal singolo manufatto al paesaggio ed all'ambiente); b) di capacità d'intervento progettuale ed esecutivo, relativo tanto alla moderna produzione architettonica quanto al restauro e recupero dell'esistente; c) di specifiche conoscenze scientifiche, criticamente acquisite. Varietà curriculare Il curriculum del Corso di Laurea Magistrale è unico, orientato verso le tematiche legate agli interventi sul patrimonio architettonico e ambientale esistente e alla progettazione di nuove architetture. Il profilo degli studi prevede un'integrazione fra discipline progettuali, discipline umanistiche e discipline tecno-scientifiche.

More info:
architectureconservation@uniroma1.it

Architettura del paesaggio
Master's Degree - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 16/12/2019 to 01/06/2020
[EU Students] Applications open from 16/12/2019 to 11/09/2020
Il corso intende perseguire l'obiettivo specifico di conferire il completamento di una formazione specialistica, nella quale si integrino conoscenze teorico-critiche e competenze operative e professionali nel campo della progettazione del paesaggio alle diverse scale, anche in funzione dell'acquisizione della capacità di collaborare con altre figure professionali dei settori dell'architettura, dell'ingegneria e delle scienze naturali. Il percorso formativo è articolato, analogamente a quanto già avviene nell'ambito dell'Unione Europea, in insegnamenti e attività didattiche finalizzati all'acquisizione di competenze rivolte nella pianificazione, progettazione e gestione dei processi di trasformazione del paesaggio nelle sue componenti naturali e antropiche, in grado di soddisfare esigenze umane e naturali, funzionali ed estetiche, basate sulla conoscenza dei caratteri fisici, ecologico-ambientali e socio-culturali e dei valori culturali del paesaggio, delle
potenzialità e delle criticità dei contesti in cui si realizzano gli interventi, utilizzando principi estetici, funzionali e operativi basati su specifiche metodologie tecnico-scientifiche. Le conoscenze indispensabili alla formazione professionale completa dell'architetto del paesaggio definite a livello europeo (EFLA Declaration, European Fouadion for Landscape Architecture, Bruxelles, aprile 1989) sono: 1 - la storia e le teorie del paesaggio, delle arti, delle tecnologie, delle scienze umane e naturali, con le loro interrelazioni; 2 - le teorie estetiche che influenzano il progetto del paesaggio; 3 - l'ecologia e l'uso degli elementi naturali come base per la conservazione, la pianificazione, la progettazione e la gestione del paesaggio; 4 - i requisiti delle opere di architettura e di ingegneria in rapporto ai caratteri del paesaggio; 5 - le problematiche fisiche e tecnologiche che interferiscono con l'ambiente; 6 - le relazioni tra uomo e ambiente; 7 - la tutela, la conservazione e il restauro dei paesaggi storici; 8 - la rilevanza dell'architettura del paesaggio nei processi di progettazione e di pianificazione a livello regionale, nazionale e internazionale; 9 - i metodi di analisi preparatori alla progettazione del paesaggio e delle relazioni ambientali; 10 - i metodi e le tecniche di rappresentazione e comunicazione; 11 - i processi produttivi, normativi e gestionali funzionali all'attuazione dei piani e alla realizzazione dei progetti; 12 - la legislazione attinente all'esercizio della professione del progettista del paesaggio. Il percorso formativo intende tenere conto della peculiarità della disciplina paesaggistica contemporanea per quanto riguarda la dimensione propriamente progettuale orientata a valorizzarne l'identità dei luoghi, gli aspetti più specificamente tecnici e tecnologici, gli obiettivi di qualità del paesaggio, i metodi ecologico-ambientali, le finalità sociali del progetto, i caratteri di sostenibilità ambientale, economica, sociale, tecnico-impiantistica, energetica e una visione contemporanea e dinamica degli aspetti ambientali. A tal fine l'offerta formativa ordinaria potrà essere integrata da attività di organizzazione, partecipazione e gestione di seminari e workshop a livello nazionale ed internazionale.

More info:
fabio.dicarlo@uniroma1.it

**Ingegneria delle Nanotecnologie**

*Master's Degree* - Insegnato in Italiano - Duration (Years): 2

A.Y. 2020-2021

[NON-EU Students] Applications open from 02/12/2019 to 30/04/2020

[EU Students] Applications open from 02/12/2019 to 30/07/2020

Il Master in Ingegneria delle nanotecnologie ha lo scopo di fornire agli studenti una formazione scientifica e professionale avanzata, necessaria per entrare nel mercato del lavoro internazionale delle nanotecnologie. Durante i due anni del Master, gli studenti svilupperanno una gamma di competenze che dovrebbero permettere loro di affrontare problemi relativi all'analisi, allo sviluppo, alla simulazione e all'ottimizzazione di dispositivi, materiali e processi che richiedono l'uso di nanotecnologie, specialmente nelle aree di Ingegneria Industriale ed Elettronica. Il corso è finalizzato allo sviluppo di strumenti avanzati di ricerca e progettazione multiscale, nonché all'innovazione tecnologica all'interno delle diverse aree in cui le nanotecnologie possono essere applicate.

Il corso si concentra principalmente sulle seguenti competenze:
- Capacità di gestire e utilizzare micro e nanotecnologie per lo sviluppo di materiali, biotecnologie e processi applicabili alla realizzazione di nuovi micro e nano-dispositivi;
- Capacità di gestire progetti utilizzando metodi di simulazione a livello atomistico e nuovi micro / nano-dispositivi per specifiche applicazioni funzionali e multifunzionali;
- Capacità di gestire micro e nano-sistemi complessi;
- Capacità di affrontare i problemi legati al rischio e alla sicurezza riguardanti l'uso delle nanotecnologie.

Inoltre, il processo di apprendimento ha lo scopo di fornire ai futuri ingegneri delle nanotecnologie la capacità di integrare le conoscenze tecnico-scientifiche con competenze contestuali e orizzontali e competenze trasversali, compresi quegli strumenti comunicativi che sono considerati indispensabili per operare in un ambiente internazionale. Le abilità sopra descritte saranno raggiunte grazie a un'offerta educativa stimolante, focalizzata sull'approfondimento dei seguenti temi: tecniche di nanofabbricazione, processi di auto- assemblaggio di nanostrutture, ingegneria delle superfici, metodi di modellazione atomistica di nanostrutture, tecniche di caratterizzazione fino alla scala nanoscopica.

Gli studenti saranno inoltre introdotti a tecniche e metodi di analisi e progettazione di nuovi materiali e superfici micro / nanostrutturate, multifunzionali e intelligenti, finalizzati alla realizzazione di dispositivi fluidi, elettrici, elettronici, elettromagnetici, fotonic o ibridi nano e micro-mecanici, e allo sviluppo di microsistemi basati su flussi e reagenti finalizzati al trasporto, separazione, purificazione e amplificazione di compositi.
cellulari e subcellulari, micro-sonde e materiali biocompatibili per il recupero e la riabilitazione di tessuti e organi.

More info: ingegneria_nanotecnologie.lm53@uniroma1.it

Ingegneria gestionale
Laurea Magistrale - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 28/11/2019 to 15/04/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020

The Masters Degree course in Management Engineering at Sapienza University aims at disseminating knowledge and competencies that integrate the technological content typical of engineering disciplines with a full understanding of the economic and management aspects of decision-making problems within organizations. For this purpose, the course analyzes and discusses methods and models for the management of complex systems, with a high interaction between the evolution of technology, the structure of markets, and the competitive strategies of companies. The course intends to provide students with the ability to play a crucial role in the strategic and operational decisions of companies. This is made possible based on the high-level skills in using effectively and efficiently the methodologies of economic analysis, optimization and simulation techniques for identifying, formulating and solving problems related to the design, organization and management of production and service systems.

More info: admissions@diag.uniroma1.it

Management delle imprese
Master’s Degree - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 13/01/2020 to 30/04/2020
[EU Students] Applications open from 13/01/2020 to 01/09/2020

Il Corso di Studi (CdS) in LM- 77 Management delle imprese si propone di fornire conoscenze avanzate e competenze manageriali e imprenditoriali utili per affrontare in maniera efficace le problematiche delle imprese in una società in rapido cambiamento. Il percorso formativo è così strutturato:

Curriculum Business Management (offerto in lingua inglese)

doppio titolo (italo-tedesco, italo-statunitense, italo-russo);
1) La Sapienza Università di Roma (Roma);
2) SRH Hochschule (Berlin);
3) Northern Illinois University (Dekalb);
4) Moscow State Institute of international relations (MGIMO)
5) North-Caucasus Federal University (NCFU) - Istitute of Economics and Management (Stavropol)

Curriculum Marketing

Curriculum General management e sostenibilità

Nel primo anno sono approfonditi i temi dello strategic management, della misurazione delle performance d'impresa, dell'economia industriale, della storia dell'impresa, nonché gli aspetti dell'organizzazione e della finanza aziendale. Completano la formazione di base lo studio del diritto tributario o del diritto commerciale e dei metodi statistici avanzati o della statistica economica. Durante il secondo anno, prima della preparazione della tesi di laurea, lo studente può sostenere esami di approfondimento relativi al curriculum prescelto, tra Business management (in lingua inglese), Marketing e General management e sostenibilità.

More info: internationalstudents-eco@uniroma1.it

Organizzazione e marketing per la comunicazione d'impresa
Master's Degree - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 16/12/2019 to 30/04/2020
[EU Students] Applications open from 16/12/2019 to 06/09/2020

Il Master in Organizzazione e Marketing per la Comunicazione d'impresa forma professionisti con conoscenze e competenze avanzate nel campo della comunicazione organizzativa, in grado di concepire e gestire attività per la valorizzazione dell'immagine interna ed esterna dell'azienda, utilizzare tecniche di marketing e strumenti volti a promuovere prodotti e servizi, progettare interventi per lo sviluppo del capitale umano, attuare programmi per la gestione integrata delle conoscenze organizzative, identificare e analizzare le esigenze interne ed esterne delle imprese.

More info:
internationalstudentscoris@uniroma1.it, magistralicoris@uniroma1.it

Scienze delle amministrazioni e delle politiche pubbliche
Laurea Magistrale - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 03/02/2020 to 30/06/2020
[EU Students] Applications open from 14/01/2019 to 31/08/2020

In una dimensione come quella odierna di ordinamenti plurali e interdipendenti, le difficoltà di tenere assieme lo sviluppo economico e sociale con l'equilibrata distribuzione delle risorse, il pari godimento delle libertà fondamentali e dei diritti essenziali in un contesto di pace, legalità e democrazia, rendono necessaria la formazione di una classe dirigente che sappia orientare questi processi nella consapevolezza che ciascun settore amministrato risulta condizionato da molteplici fattori a latere, per i quali è necessario costituire una capacità innovativa di governo che sappia tenere assieme i soggetti della rete.

Per affrontare una sfida così complessa, il corso di laurea offre agli studenti le conoscenze necessarie e gli strumenti interdisciplinari di analisi per comprendere tali fenomeni e incidere sul loro sviluppo. L'obiettivo è di formare laureati magistrali in grado di operare nelle amministrazioni e nella gestione delle politiche pubbliche con efficienza e spirito di innovazione.

Il percorso comprende attività formative approfondite relative agli strumenti di governo e all'azione delle amministrazioni e dei soggetti privati con particolare riferimento alle prestazioni di ordine sociale, al reperimento e gestione delle risorse pubbliche, alla conoscenza dei bisogni da soddisfare, al funzionamento dei processi, alle relazioni tra le amministrazioni di diverso livello di governo nonché alla storia delle pubbliche amministrazioni e alle lingue straniere. Saranno esaminati con attenzione specifici settori come quello dell'ambiente, della sanità e della sicurezza sociale nonché l'organizzazione e il funzionamento della multilevel governance (dalla dimensione locale a quella europea e internazionale) come metodo di governo.

In tutto l'Ateneo della Sapienza questo è l'unico corso che consente di accedere a un titolo di laurea in Classe LM-63.
Il corso biennale e articolato in 120 CFU.

More info:
jorg.senf@uniroma1.it

Scienze dello sviluppo e della cooperazione internazionale
Master's Degree - Insegnato in Italiano - Duration (Years): 2
A.Y. 2020-2021

[NON-EU Students] Applications open from 02/12/2019 to 30/04/2020
[EU Students] Applications open from 02/12/2019 to 06/09/2020

Il Corso di laurea magistrale interfacoltà in Scienze dello Sviluppo e della Cooperazione Internazionale punta a fornire un'elevata professionalità nell'analisi dei fattori istituzionali e culturali e nella programmazione e gestione delle specifiche iniziative di cooperazione, indirizzate alla crescita delle società in via di sviluppo. Il Corso, istituito dalle Facoltà di Scienze Politiche, Sociologia, Comunicazione, e di Lettere e Filosofia, offre
conoscenze interdisciplinari e strumenti operativi per l'analisi e l'interpretazione dei contesti dei paesi emergenti e per la gestione di programmi e progetti per la pace e per la cooperazione internazionale allo sviluppo.

Fornisce altresì avanzate competenze necessarie per:

- l'ideazione, la redazione, l'attuazione e la direzione di programmi e progetti integrati di cooperazione allo sviluppo;
- l'applicazione dei principali metodi di monitoraggio e valutazione;
- l'utilizzo fluente, in forma scritta e orale, dell'inglese e una buona conoscenza della lingua francese, spagnola, con possibilità di accesso anche ad altre lingue;
- l'utilizzo degli strumenti per la comunicazione e la gestione dell'informazione.

Nel secondo anno il curriculum di studio si articola in due indirizzi altamente caratterizzanti, orientati a coniugare un elevato grado di conoscenza specialistica con un'adeguata formazione operativa: Indirizzo Socio-Politico-Economico; Indirizzo Economics for development.

More info:
internationalstudentscoris@uniroma1.it;magistralicoris@uniroma1.it

**Scienze e Tecnologie per la Conservazione dei Beni Culturali**

**Master's Degree** - Insegnato in Italiano - Duration (Years): 2

A.Y. 2020-2021

[NON-EU Students] Applications open from 16/12/2019 to 15/05/2020

[EU Students] Applications open from 16/12/2019 to 15/09/2020

Il corso ha come obiettivo la formazione di esperti nel campo dell'archeometria e conservazione dei beni culturali (scienziati della conservazione), con competenze specialistiche nella caratterizzazione multi-analitica di una vasta gamma di materiali archeologici e del patrimonio culturale. Gli studenti applicheranno metodi scientifici e tecnologie avanzate nello studio della conservazione. I laureati raggiungeranno i seguenti obiettivi:

- Capacità di lavorare in un'area di ricerca con una forte connotazione multidisciplinare (tra Scienza e Scienze umane);
- Competenza nelle tecniche analitiche, metodi scientifici di indagine e interpretazione dei dati, finalizzati al recupero e alla conservazione del patrimonio culturale;
- Abilità avanzate nell'analisi delle interazioni tra il patrimonio culturale e il suo ambiente fisico-chimico;
- Conoscenza avanzata delle applicazioni archeometriche in diversi campi di interesse.

La natura multidisciplinare delle attività nel campo dei Beni Culturali rende necessario un percorso didattico che consenta di rispondere alle esigenze scientifiche e professionali dell'area e allo stesso tempo un nucleo di lezioni per completare la formazione umanistica e migliorare conoscenza in discipline di carattere generale. La formazione è completata da stage presso laboratori scientifici universitari o presso operatori pubblici e privati nel settore di interesse.

More info:
scienzebc@uniroma1.it