List of available courses

Architecture (Conservation)

Master’s Degree - Taught in English - Duration (Years): 2
A.Y. 2019-2020

[NON-EU Students] Applications open from 15/12/2019 to 29/02/2020
[EU Students] Applications open from 15/12/2019 to 31/08/2020

Architecture-Conservation, which focuses mainly on architectural heritage, aims to train students to consolidate and preserve existing architectural and environmental heritage and develop high-quality projects that take into account the relation between new projects, the environment and the historical aspects. The programme brings together a range of different disciplines, including humanities and technical-scientific subjects, to prepare students to work as architects with specific competences in building processes and the conservation of existing structures. In particular, the two-year programme will delve deeper into the main competences acquired with the Bachelor's Degree and will address:
A) historical-critical and historical-technical analysis of architecture, ranging from individual projects to the landscape and environment as a whole;
B) architectural project design, execution, practice and conservation of existing architectural structures;
C) specific scientific knowledge and critical know-how.


More info: architectureconservation@uniroma1.it

Artificial Intelligence and Robotics

Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 15/04/2019
[EU Students] Applications open from 15/11/2018 to 02/09/2019

The Master course in Artificial Intelligence and Robotics spans over 2 academic years.

This course will allow students to acquire knowledge and technical capabilities in Computer Science and Control Engineering, specifically in the interdisciplinary area of Artificial Intelligence and Robotics.

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

More info: admissions@diag.uniroma1.it
recruitment@uniroma1.it

Atmospheric Science and Technology

Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 31/05/2019
[EU Students] Applications open from 19/11/2018 to 15/09/2019
The Laurea Magistrale in Atmospheric Science and Technology (LMAST) is an international master degree programme, jointly proposed by the Sapienza University of Rome and University of L’Aquila. LMAST provides students with solid knowledge and specific skills in the atmospheric science domain from a physics and engineering perspective. LMAST includes fundamentals of fluid mechanics, dynamical meteorology, climate modelling and statistical mechanics as well as satellite Earth observation, radar meteorology and environmental meteorology. The course is completed by several interdisciplinary subjects and by a master thesis. Stages are also foreseen. The LMAST graduate can obtain the Statement of learning curriculum conformity to the World Meteorological Organization (WMO) Recommendation n. 1083.

More info:
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Business Management

Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 15/11/2018 to 30/04/2019
[EU Students] Applications open from 15/11/2018 to 01/09/2019

The Masters Degree Programme in Business Management (class LM-77) aims at providing students with the advanced knowledge, skills and attitude in management and entrepreneurship needed for effectively addressing problems of firms in a fast-changing society. Students can choose between 3 tracks, 1 in English and 2 in Italian.

• Curriculum in Business Management (in English): is aimed at training professionals characterized by solid managerial bases and a strong orientation towards internationalization. Students can also apply for a double degree program managed by Sapienza and, depending on the choice of: a) SRH Hochschule Berlin - The international Management University; b) Northern Illinois University (USA) - College of Business; c) Moscow State Institute of International Relations (Russia) - MGIMO University; d) North Caucasus Federal University (Russia) - Institute of Economics and Management.

• Curriculum Marketing (in Italian): is aimed at developing professionals specialized in the strategic and operational management of market relations both online and offline, offering a specific training in digital marketing and corporate and marketing communication.

• Curriculum General management e sostenibilità (in Italian) is aimed at training professionals with a solid managerial and entrepreneurial knowledge, paying particular attention to the analysis and management of the main issues related to the economic activities' environmental impact and quality control.

Career Destinations
• Managerial, entrepreneurial and business consultant roles in industrial and service sectors, both public and private;
• Liberal professions of the economic occupational field, such as Dottore Commercialista (Chartered Accountant), after Internship State Exam

More info:
internationalstudents-eco@uniroma1.it

Chemical Engineering

Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 20/02/2019 to 15/05/2019
[EU Students] Applications open from 20/02/2019 to 15/09/2019

The curriculum “Chemical Engineering for Innovative Processes & Products” includes some mandatory
activities in 7 subjects: Mathematical methods for chemical engineering, Economics of technology and management, Non equilibrium thermodynamics with an application to the microscale, Separation processes with an application to lab-on-chips, Water treatment processes and environmental technology, Computer-aided process control, Theory and development of process design. Four subjects must be chosen among the list of recommended subjects that allow students to deepen their knowledge in an area in which they are interested in. They include the following: Applied metallurgy, Characterization techniques for materials, Corrosion engineering, Sustainable design of materials, Green chemistry and process engineering, Process and product safety in the chemical industry, Macromolecular structures and principles of biochemical engineering, Nanobiotechnology, Transport phenomena in microsystems and micro/nano reactive devices. The curriculum is completed by elective subjects, by activities that may be useful for entering the job market (seminars which expand the knowledge of the students and help them create contacts with company representatives) and by activities related to the final exam, such as drafting and presenting a graduation thesis. Through the graduation thesis, a specific topic in the field of chemical engineering must be discussed in an original and in-depth manner.

More info:
master.chemicalengineering@uniroma1.it

Clinical Psychosexology
Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

The planning of the Master's Degree Program in Clinical Psychosexology is based on the obvious demand for specific training for the psychologist who ideally goes through three stages of training:
a) the three-year degree (Degree Class L-24) to learn the theoretical bases of neuroscience and psychological and behavioral sciences;
b) the master's degree which in this case confers specific general clinical skills and applied to the psychology and psychopathology of sexual and reproductive behavior according to gender differences and identities;
c) postgraduate courses enabling the exercise of psychotherapy.

The master's degree course, in short, has the task of forming, for the first time in the Italian university system, clinical psychologists and sexologists. The graduate, in particular, will have specific competences for the management, from the individual, to the dyad, to the family, up to the social macro area, of the discriminating themes and of the construction of the stereotypical image of the feminine and the masculine. In the public sphere graduates will be able to provide psycho-sexual counseling in the following specific areas:
a) Consultors;
b) Medically Assisted Procreation Centers;
c) Centers of Psychiatry, Oncology, Gynecology, Andrology, Endocrinology;
d) Outpatient clinics dedicated to mm. sexually transmitted;
e) Centers for diagnosis and treatment of gender identity dysphoria;
f) Civil and criminal courts (Appraisals)
g) Prisons (criminal paraphilias)
h) Compulsory and secondary schools (Paid courses of Education for Sexuality, Feelings and respect for gender and orientation differences)

Career opportunities:
Numerous are the occupational and professional opportunities provided for Psychologists graduated in Clinical Psychosexology, starting with the private profession. The graduate, in particular, will have specific competences for the management, from the individual, to the dyad, to the family, up to the social macro area, of the discriminating themes and of the construction of the stereotypical image of the feminine and the masculine. In the public sphere it is therefore evident the professional need for psycho-sexual counseling in the following specific areas:
a) consultants;
b) Medically Assisted Procreation Centers;
c) centers of Psychiatry, Oncology, Gynecology, Andrology, Endocrinology;
d) clinics dedicated to sexually transmitted infections;
e) centers for the diagnosis and treatment of gender identity dysphoria;
f) civil and criminal courts (Appraisals);
g) prisons (criminal paraphilias);
h) compulsory and secondary schools (Paid courses of Education for Sexuality, Feelings and respect for gender and orientation differences).

More info:
chiara.simonelli@uniroma1.it

**Cognitive Neuroscience**

**Master's Degree** - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 15/11/2018 to 30/07/2019
[EU Students] Applications open from 15/11/2018 to 30/07/2019

The master course 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 psychologists with a 3 years bachelor 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 the Department of Psychology of Rome and in partner institutions.

More info:
lmcognitiveneuroscience@uniroma1.it

**Computer Science**

**Master's Degree** - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 30/04/2019
[EU Students] Applications open from 19/11/2018 to 30/05/2019

The Master program in Computer Science (LM-18) is conceived to provide its attendants 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
- MULTIMEDIA COMPUTING AND INTERACTION
- NETWORKS AND SECURITY
- SOFTWARE ENGINEERING

Additionally, students can attend a number of practical activities and labs with industrial mentoring.

More info:
computerscience.lm18@uniroma1.it

**Control Engineering**

**Master's Degree** - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 15/04/2019
[EU Students] Applications open from 19/11/2018 to 02/09/2019
The Master Degree in Control Engineering is the only one provided by Sapienza University of Rome in the class of Automation Engineering studies (LM-25). The interdisciplinary nature of the Master in Control Engineering and its rigorous methodological approach, makes it suitable to be undertaken by students who have achieved a Bachelor Degree in any of the branches of information engineering (ICT) or industrial engineering, as well as with a background in Mathematics or Physics. The fundamental methodologies of Control Engineering (modelling and identification of dynamic systems, measurement and in-line filtering of sensory information, general use of feedback to stabilize the behaviour and optimize the performance of processes, and the integration of automatic control in the design phase of autonomous systems) are widely diffused in many engineering fields. Control engineering is often the key enabling technology for advanced applications in the field of industrial or service automation, such as: robotics; energy production and distribution systems; communication and transportation networks (smart grids); optimal exploitation of alternative energy; automotive, mechatronics, aerospace (embedded systems); monitoring and green control of environmental parameters; bio-medical systems and system biology.

More info: admissions@diag.uniroma1.it

Cybersecurity

Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 15/11/2018 to 30/04/2019
[EU Students] Applications open from 19/11/2018 to 19/12/2019

The two-year Master of Science in Cybersecurity (LM-66) has been the first Master Degree in Italy to offer an in-depth, holistic and multi-disciplinary understanding of the technological, legal and managerial aspects that Cybersecurity Experts have to master in order to play their high-profile role. The Master of Science in Cybersecurity is designed as a response to Industry 4.0 requirements, and to the evolution of Internet of Things, in an economic climate that demand a new task-force of leading experts capable of defining, supervising and coordinating the cybersecurity governance of technology and information within the framework of complex IT infrastructures. The Master of Science in Cybersecurity aims at shaping students into professionals who know how to guard against cyber-attacks, follow cyber-incidents protocols, manage system recovery in case of successful attacks and develop secure software. The Master is organized in 4 semesters (2 years) and provides students with mandatory and optional courses. Lessons are distributed on four semesters; the last semester 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 cybersecurity.

More info: cybersecurity_info@uniroma1.it

Data Science

Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 15/04/2019
[EU Students] Applications open from 19/11/2018 to 02/09/2019

Laurea Magistrale in Data Science is a new Master's degree taught in English. It is a joint initiative within the i3S Faculty combining the expertise of four Departments: Department of Computer Science (DI), Department of Computer, Control and Management Engineering (DIAG), Department of Information Engineering, Electronics and Telecommunications (DIET), Department of Statistical Sciences (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.
Development and International Cooperation Sciences - Economics for Development

Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 01/12/2018 to 30/04/2019
[EU Students] Applications open from 01/12/2018 to 06/09/2019

The interfaculty master program 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 program, which has been developed by the Faculties of Political Science, Sociology, Communications, and Humanities, equips 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

Economics

Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 15/11/2018 to 30/04/2019
[EU Students] Applications open from 15/11/2018 to 01/09/2019

Degree Programme
The Masters in Economics at Sapienza University of Rome (Faculty of Economics, Department of Economics and Law), aims to train professionals in the analysis of economic and institutional mechanisms of markets and economic organizations, both private and public, able to identify choices and forecast micro and macroeconomic behaviour of individuals and institutions.

Students can chose between 3 tracks, 2 in English and 1 in Italian.
- Curriculum Competition and market regulation (in English)
- Curriculum Macroeconomic policy and financial markets (in English). Students can also apply for a double degree program managed by Sapienza and HEC Management School - Université de Liège
- Curriculum Economia politica (in Italian)

Career Destinations
Economist or Economic adviser in academic and operational research sectors aiming at interpreting economic situation and trends in single sectors or markets and in global economic system. This field of analysis supports operational decisions of private businesses, particularly in Finance sector, and Public Administrations., and evaluation of appropriate intervention proposals.

Masters Students can also qualify, after Internship and State Examination, for liberal profession of "dottore commercialista" (Chartered Accountant)
Economics and Communication for Management and Innovation

Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 15/11/2018 to 30/04/2019
[EU Students] Applications open from 15/11/2018 to 01/09/2019

Degree Programme
The Masters in Economics and Communication for Management and Innovation is an inter-Faculty and inter-University multi-disciplinary programme specifically based on the needs of enterprises and Confindustria, the main Italian Association of Entrepreneurs to train professionals able to meet the multi-disciplinary requirements of modern enterprise, extending the traditional curricula of single-faculty programmes and moulding economics, social sciences, digital communications and computer science. The programme will provide students with skills in business communications, innovation process management skills, and enterprise strategies and tools for innovative and international contexts.

Students can chose between 2 tracks, both taught in English, but on two different University campuses:
- Curriculum in Economics and communication for managment and innovations - Sapienza University of Rome campus
- Curriculum in Economics and innovation management - University of Teramo campus

Career Destinations
Entrepreneurial, managerial and consultant roles in industrial and service sectors, both public and private, with a specific focus on business communication;
liberal professions

More info:
internationalstudents-eco@uniroma1.it

Electrical Engineering

Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 15/04/2019
[EU Students] Applications open from 19/11/2018 to 15/04/2019

The MSc programme in Electrical Engineering aims to provide the student with in-depth knowledge advanced theoretical-scientific and professional skills with specific, in particular engineering, which allow him to interpret and describe the complex problems of Electrotechnical Engineering that may also require an interdisciplinary approach, using innovative methods, tools and techniques.

Its training, aimed at designing, planning and managing complex systems, is also aimed at solving the problems associated with the safety of the plants and with the environmental impact of these products in the settlement sites. These skills are achievable thanks to the enrichment of the solid wealth of knowledge already acquired with the degree, which is deepened in terms of methodology and application through the two-year degree course studies. In this way it becomes possible to face the most complex problems of development, design and management of modern plants, as well as to actively contribute to the innovation and scientific and technological advancement of the sector.

The MSc programme in Electrical Engineering is designed to train highly qualified electrical engineers to work both in the fields of electrical power systems and electrical machines. The programme also focuses on renewable energy conversion, electric mobility, smart grids, electrical markets, HV installation and on a range of other modern electric technology. By the end of the programme, students will have acquired all of the necessary skills to either swiftly access the working world or pursue their studies with access to Doctoral programme.

More info:
massimo.pompili@uniroma1.it
Electronics Engineering

Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 31/05/2019
[EU Students] Applications open from 19/01/2018 to 15/09/2019

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.

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Energy Engineering

Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 30/04/2019
[EU Students] Applications open from 19/11/2018 to 30/09/2019

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:
giampaolo.romano@uniroma1.it

Engineering in Computer Science

Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 15/04/2019
[EU Students] Applications open from 19/11/2018 to 02/09/2019

The Master course in Engineering in Computer Science spans over 2 academic years. This master course will allow students to acquire knowledge and technical skills both in the field of Engineering in Computer Science as software applications, data management and data analysis, AI softwares and in the field of cybersecurity and of tools for the optimization of the systems which elaborate information and network systems.

More info:
admissions@diag.uniroma1.it
English and Anglo-American Studies
Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 30/04/2019
[EU Students] Applications open from 19/11/2018 to 30/09/2019

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European Studies
Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 20/01/2019 to 31/05/2019
[EU Students] Applications open from 20/01/2019 to 30/09/2019

The Masters Programme in European Studies (LM-90) aims at training high-profile professionals who will work in the International framework and increasingly globalized economic and legal context rapidly evolving through European integration process.

The Programme will provide Students with advanced knowledge and skills on methodologies, cultural aspects and professional requirements that will enable them to develop original solutions to legal, economic, political, social and historical emerging issues on the new European and International scenarios.

The Masters Programme was expressly developed in order to meet the needs of Students interested in acquiring a cutting-edge comprehensive information of European issues, in order to be able to work in Italian or International Institutions. In particular, the Programme focuses on the study of legal and economic issues that can be comparable at European and International level.

The European Master Programme in European Studies offers a unique opportunity to form an advanced multidisciplinary and interdisciplinary knowledge in the areas of Law, Economics, and Comparative Law, specifically related to European countries, European Union and the European geographic area in general entirely taught in English. The skills associated with the professional profiles of graduates in European Studies are oriented to train future managers, consultant, expert, diplomats and other professionals capable of tackling both critical legal and economic problems and address policy choices according to the European legal and economic framework. Each of the two curricula offers a specific blend of disciplines between compulsory and elective courses that provides a strong background in European Studies and gives an opportunity to train future professionals with maximum flexibility and competences. The first curriculum in Law and Economics will allow students to work in interdisciplinary contexts both legal and economic oriented, related to management and control of European and International Institutions, addressing economic, legal, political, social and historical aspects. The second curriculum in Comparative and European Law aims at training Students as European jurists with all the necessary notions of private, public, European and International Law that are necessary to work in this field.

More info:
europeanstudies.sapienza@gmail.com

Fashion Studies
Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 01/12/2018 to 30/05/2019
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

Health Economics
Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020
[NON-EU Students] Applications open from 05/04/2019 to 15/06/2019
[EU Students] Applications open from 05/04/2019 to 15/09/2019

The Master's degree programme of Health Economics offers multidisciplinary preparation in the field of health economics, health law, business management of public or private firms operating in the health industry and tools for quantitative and qualitative analysis of the economic policy choices in this sector. The Master programme allows the student to learn how to manage relations with the government's institutions and to how to manage the whole business processes concerning the delivery of sanitary goods and services. At the end of the course, graduates can hold apical positions in direct support of the General Director/Administrative Director/Top management of public or private health companies and health-linked companies, at national and international organizations and institutions dealing with health policy, in public or private research institutions. Career destination:
• Specialist of Economic Evaluation of Health and Health Care Systems;
• Health Economist;
• Specialist in Health Care Cooperation Programmes;
• Specialist in Funding and Payment Program systems for Health

More info: internationalstudents-eco@uniroma1.it

Mechanical Engineering
Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020
[NON-EU Students] Applications open from 15/11/2018 to 30/04/2019
[EU Students] Applications open from 15/11/2018 to 15/09/2019

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

**Nanotechnology Engineering**
**Master’s Degree** - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 01/12/2018 to 30/04/2019

[EU Students] Applications open from 01/12/2018 to 31/07/2019

The Master’s Degree in Nanotechnology Engineering is aimed at providing students with an advanced scientific and professional education, which is necessary to enter the international job market of Nanotechnologies. During the two years of the Master, students will develop a range of competences which are supposed to allow them to deal with problems related to the analysis, development, simulation and optimization of devices, materials and processes requiring the use of nanotechnologies, especially in the areas of Industrial Engineering and Electronics.

The course is aimed at the development of advanced tools of research and multiscale design, as well as the technological innovation within the different areas in which nanotechnologies can be applied. The course is primarily focused on the following competences:
- Ability to manage and use micro and nanotechnologies for the development of materials, biotechnologies and processes applicable to the realization of new micro and nano-devices;
- Ability to manage projects using atomistic level simulation methods as well as new micro/nano-devices for specific functional and multifunctional applications;
- Ability to manage complex micro and nano-systems;
- Ability to face problems related to risk and security regarding the use of nanotechnologies.

Moreover, the learning process is meant to provide future Nanotechnology Engineers with the ability to integrate the technical-scientific knowledge with contextual and horizontal competences and soft skills, including those communicative tools which are considered as indispensable to operate in an international environment.

The abilities described above will be reached thanks to a stimulating educational offer, focused on deepening the following issues: nanofabrication techniques, processes of auto-assembling of nanostructures, surfaces engineering, methods of atomistic modelling of nanostructures, characterization techniques up till nanoscopic scale. Students will be also introduced to techniques and methods of analysis and design of new materials and micro/nanostructured surfaces, multifunctional and intelligent, aimed at the realization of fluid, electric, electronic, electromagnetic, photonic or hybrid nano and micro-mechanic devices, and to the development of flux-based and reagent-based microsystems aimed at the transportation, separation, purification and amplification of cellular and sub-cellular composites, micro-probes and biocompatible materials for the recovering and rehabilitation of tissues and organs.

More info: ingegneria_nanotecnologie.lm53@uniroma1.it

**Physics: Particle and Astroparticle Physics track**
**Master’s Degree** - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 01/12/2018 to 21/06/2019
The Master in Physics is a two-year course in which students obtain 120 ECTS. All students take general courses in relativistic quantum mechanics, condensed matter physics, mathematical physics, and computer science, and a one-year-long laboratory course where they learn experimental techniques and do their own experiment (second semester). Moreover, they take additional courses that depend on the track they choose (there are four different tracks in the Master of Physics) and elective courses. Most of the second year is devoted to a research-level Master thesis. Within the Master in Physics, the Particle and Astroparticle Physics track (in English) is meant to provide an in-depth education in the field of subnuclear physics with particular emphasis on the experimental aspects. Lecture attendance is not mandatory but it is strongly recommended. At the end students obtain a second-level (Laurea Magistrale) Diploma in Physics. Physics graduates can apply to PhD programs and third-level Masters. They can also find jobs in companies requiring experts in instrumentation, computer science, data analysis, and software development. Due to the interdisciplinary character of the education received, Physics graduates can successfully interact with several other professionals, like engineers, managers and computer scientists.

More info:
sonia.riosa@uniroma1.it

Product Design
Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

The Master of Science in Product Design is a studio-based program directed to those students who wish to deepen their innovative abilities, who are interested about the integration of design, technologies, cultures and business, and who want to be involved in the creative challenges of making objects and ideas that improve people’s lives. Candidates joining this Master are expected to design extensively, think creatively and reflect critically.

The Master is organized in 4 semesters (2 years):
- the first is dedicated to improving a more critical capability to explore contemporary design languages,
- the second is dedicated to experiments with innovative technologies and materials,
- the third one is focused to understand and develop sustainable production and consumption process,
- the last one is dedicated to the final thesis during which students are involved in an internship within the R&D of national and international Companies or within foreign Universities and Research Centres.

The lessons will be in English in order to train students to perform their professional capability internationally. The Master is under several Agreements with International Universities, it is within the network of ‘Cumulus’, the Association of International Schools of Design, and it is joined with the ‘Sapienza Design Factory’ Laboratory and the ‘Sapienza Design Research’ Centre to develop the experimental activities.

More info:
msproductdesign@uniroma1.it

Science and Technology for the Conservation of Cultural Heritage
Master's Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

The course aims at the training of experts in the field of archaeometry and conservation of cultural heritage (conservation scientists), with specialized skills in the multi-analytical characterization of a wide range of archaeological and cultural heritage materials. Students will apply scientific methods and advanced technologies in the study of conservation.

Graduates will achieve the following objectives:
- Ability to work in a research area with a strong multidisciplinary connotation (across Science and Humanities)
• Expertise in analytical techniques, scientific methods of investigation and interpretation of data, aimed at the recovery and conservation of cultural heritage
• Advanced skills in the analysis of the interactions between the cultural heritage and its physico-chemical environment
• Advanced knowledge of archaeometric applications in different fields of interest.

The multidisciplinary nature of the activities in the field of Cultural Heritage makes it necessary to have a didactic pathway that allows to respond to the scientific and professional needs of the area and at the same time a nucleus of lessons to complete the humanistic training and to improve knowledge in general disciplines.
Training is completed by internships at university scientific laboratories, or by public and private operators in the sector of interest.

More info: 
scienzebc@uniroma1.it

Space and Astronautical Engineering
Master’s Degree - Taught in English - Duration (Years):
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 15/04/2019
[EU Students] Applications open from 19/11/2018 to 30/06/2019

The Master of Science Programme in Space and Astronautical Engineering provides students with specific skills related to space mission planning and the analysis and design of launch vehicles, satellites and remote metering and telemetry systems. The programme, which emphasises systems-related and interdisciplinary aspects, is closely linked with research and innovation activities in the Italian and European aerospace industries. The curriculum “Aerospace Engineering”, which is part of the master degree programme and is held entirely in English, provides students with advanced concepts, professional training and specific engineering skills, enabling them to address complex issues requiring analysis, development, simulation and optimization in a wide range of aerospace-related topics. In year one, students acquire knowledge related to major areas of Space Engineering such as Spaceflight Mechanics and Altitude Dynamics, Controls, Compressible Fluid Dynamics, Propulsion, Structures and Space Systems; while in year two, students select follow-up courses from a wide range of topics directly related to Space, Astronautical and Aeronautical Engineering. Admitted students are eligible for double-degree programmes with the ISAE Toulouse in France and the Instituto Superior Tecnico Lisboa in Portugal.

The selection process is formed by different phases whose schedule is:

• 31st January 2019: results of first selection phase. Letters of acceptance are sent to the best candidates who have applied by 10th January 2019. Unselected applicants will be considered for the second selection phase.
• 15th February 2019: second selection phase. Letters of acceptance are sent to the best candidates who have applied by 5th February 2019 or who have not been selected in the first phase.
• 15th March 2019: third selection phase. Letters of acceptance are sent to the best candidates who have applied by 5th March 2019 or who have not been selected in the former phases.
• 30th April 2019: fourth selection phase. Letters of acceptance are sent to the best candidates who have applied by 15th April 2019 or who have not been selected in the former phases.
• 5th June: Letters of acceptance are sent to the best EU candidates who have applied by 30th May 2019.
• 5th July: Letters of acceptance are sent to the best EU candidates who have applied by 30th June 2019.

More info:
aerospaceengineering@uniroma1.it
**Statistical Methods and Applications**  
**Master's Degree** - Taught in English - Duration (Years):  
A.Y. 2019-2020

[NON-EU Students] Applications open from 19/11/2018 to 15/07/2019  
[EU Students] Applications open from 19/11/2018 to 15/09/2019

Data management and analysis, i.e. Statistics, is pervasive in any modern professional activity.

SMA- Statistical Methods and Applications - is the acronym of the brand-new two-year Master of Science (in Italian Laurea Magistrale ) 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. Students are prepared to handle the overall data management process: collection, analysis, interpretation, decision making. Specific attention is devoted to methods for Big Data Analysis and their applications to relevant domains with a specific emphasis on economic phenomena.

Starting from a common base of Statistics, Probability and Computing, the Master programme aims at delivering a solid and highly marketable statistical and quantitative training in the interpretation of real-world phenomena and support of decision-making.

Students can choose one of the following study paths:

- **[DA]** Data Analyst (with optional path for Double Degree with Université Paris Dauphine) <DA.pdf>
- **[OS]** Official Statistics (EMOS - European Master in Official Statistics label) <OS.pdf>
- **[QE]** Quantitative Economics <QE.pdf>

All these three study paths (curricula) prepare professionals for careers in consulting companies, industry and State agencies as well as candidates for PhD programmes in Statistics, Quantitative Economics and Econometrics, Data Science.

More info:  
sma-dss@uniroma1.it

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**Sustainable Building Engineering**  
**Bachelor's Degree** - Taught in English - Duration (Years):  
A.Y. 2019-2020

[NON-EU Students] Applications open from 01/12/2018 to 30/06/2019  
[EU Students] Applications open from 01/03/2019 to 31/07/2019

The Bachelor Degree Sustainable Building Engineering aims to give students the knowledge and skills which provide a sustainable future both for existing buildings and for those they will design and build.

More info:  
sbe@uniroma1.it  
giuseppe.sappa@uniroma1.it

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**Transport Systems Engineering**  
**Master's Degree** - Taught in English - Duration (Years):  
A.Y. 2019-2020
The Master's 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.

More info: stefano.ricci@uniroma1.it

Architettura (Restauro)
Laurea Magistrale - Insegnato in Italiano - Duration (Years): 2
A.Y. 2019-2020

[EU Students] Applications open from 01/12/2019 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, mature 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 tecniche-scientifiche.

More info: architectureconservation@uniroma1.it

Architettura del paesaggio
Master's Degree - Insegnato in Italiano - Duration (Years):
A.Y. 2019-2020

Il corso intende perseguire l'obiettivo specifico di conferire il completamento di una formazione specialistica, nella quale si integrano 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 Foudation 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
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 multiscala, 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 i o ibridi nano e micro-meccanici, e allo sviluppo di microsistemi basati su flussi e reagenti finalizzati al trasporto, separazione, purificazione e amplificazione di composti 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
Management delle imprese  
Master's Degree - Insegnato in Italiano - Duration (Years):  
A.Y. 2019-2020  

[NON-EU Students] Applications open from 15/01/2019 to 30/04/2019  
[EU Students] Applications open from 15/01/2019 to 01/09/2019  

Il Corso di Studi (CdS) in Management delle imprese (classe L-77) 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 - La Sapienza Università di Roma - SRH Hochschule Berlin - Northern Illinois University – Dekalb Moscow State Institute of international relations (MGIMO) - 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):  
A.Y. 2019-2020  

[NON-EU Students] Applications open from 01/12/2018 to 31/05/2019  
[EU Students] Applications open from 01/12/2018 to 15/09/2019  

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):  
A.Y. 2019-2020  

[NON-EU Students] Applications open from 10/03/2019 to 30/06/2019  
[EU Students] Applications open from 10/03/2019 to 31/08/2019  

In una dimensione come quella odierna di ordinamenti plurali e interdipendenti, le difficiltà di tenere assieme lo sviluppo economico e sociale con l'equilibrata distribuzione delle risorse, il pari godimento delle liberta 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 e 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 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):
A.Y. 2019-2020
[NON-EU Students] Applications open from 03/12/2018 to 15/05/2019
[EU Students] Applications open from 03/12/2018 to 15/09/2019
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