List of available courses

**Architecture - Urban regeneration**  
**Master's Degree** - Taught in English - Duration (Years): 2  
A.Y. 2020-2021  
[NON-EU Students] Applications open from 15/06/2020 to 15/11/2020  
[EU Students] Applications open from 15/06/2020 to 15/11/2020  
**DESCRIPTION:** The Master's Degree Course in Architecture - Urban Regeneration aims to provide a professional solution to the need of a new profile of fully-fledged architect, in cultural and professional terms and not merely formal, within the European context; a fast shaping context in which the issues of urban regeneration play a role of particular relevance, also highlighted by issues identified in the European and international urban agenda, as well as, more recently, in the national urban agenda being defined. An architect trained to investigate, configure and support urban regeneration processes, dedicated to the project as research and as a process of continuous experimentation; capable of providing adequate responses to the regeneration processes of the contemporary city at all scales and in an integrated way, combining complexity to restore perspectives of social equity, well-being and inclusion, of ecological quality, of historical-environmental sustainability, effectiveness and efficiency in the use of resources. A professional figure with a design, technical and technological competence capable of managing the emergency nature of phenomena and in territories, such as those of Italian cities, strongly characterized in terms of stratification and fragility of the various components, and yet, at the time itself, responding to the lines of action and strategic guidelines of the context and of the European Urban Agenda.

The admission to the Master's Degree is subject to the academic requirements requested by the scientific field of study and the adequacy of personal preparation. To get access to the Master's it is necessary to:
- be in possession of a three-year degree or university diploma or another qualification obtained abroad, recognized as suitable;
- have fulfilled the mandatory training activities corresponding to the achievement of ECTS referring to “Architectural Sciences”;  
In addition, certified or self-certified knowledge of the English language is required, comparable to level B2.

More info:  
carmela.mariano@uniroma1.it  
architettura_rigenerazioneurbana.lm4@uniroma1.it

**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 16/09/2020  
[EU Students] Applications open from 28/11/2019 to 15/09/2020  
**DESCRIPTION:** The Masters Degree's 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:
- the historical-critical analysis of architecture, in its broadest sense (from the single manufacture to landscape and environment);
- the ability to plan and execute, both with reference to modern architectural production and to the conservation and recovery of pre-existing structures;
- specific scientific knowledge, acquired critically.

Programme’s website:  
https://sites.google.com/uniroma1.it/architectureconservation/home  
https://corsidilaurea.uniroma1.it/en/corso/2020/30815/home
Academic Requirements: at least a three-year university degree (Bachelor) in Architecture, Architectural Engineering, Civil Engineering and Building Sciences.
Preferential topics for evaluation are: Building and Urban Design, History of Architecture, Architectural Survey and Drawing, Architectural or Building Technology and Architectural Conservation and Restoration

Minimum GPA: 65/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:
- IELTS Academic 6.0 or higher
- TOEFL IbT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher
- GESE Grade 8

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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

DESCRIPTION: 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.

Academic Requirements: An applicant must have an undergraduate degree in Computer Engineering, Computer Science, or other scientific disciplines

Specific topics are:
- Physics: Kinematics of a point and of a rigid body in 3D. Specific background for Computer and System Engineering:
- Automatic Control: The concept of dynamical system. Linear transfer functions. The principle of feedback and its properties (stabilization, rejection of disturbances, robustness to uncertainties).
- Computer Science/Engineering: Good programming skills (not only MATLAB), including object oriented programming and memory management. Knowledge of algorithms and data structures, operating systems, computer networks. Development of software applications of medium size.

Minimum GPA: 65/100

Selected students will be invited for a Skype interview for an assessment of their skills and background. The interview will include technical questions related to the aforementioned background.

We also suggest students to take a look at the core courses of the curriculum to have a better understanding of the course requirements: https://corsidilaurea.uniroma1.it/en/corso/2019/29938
Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:
admissions@diag.uniroma1.it

Atmospheric Science and Technology
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

DESCRIPTION: 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.

Academic Requirements: Candidates, wishing to apply to LMAST, are required to have a Bachelor degree and curriculum background with the following requirements: BSc in Physics or a degree in a technical-scientific subject with a list of exams showing a strong background in mathematics (calculus, algebra, analysis, numerics) and physics (classical and modern) as well as in chemistry and computer programming.

Minimum GPA: 80/100

The LMAST Admission Committee may request an interview with the prospective students via Skype or other services. The number of students per year of LMAST MSc programme is not limited.

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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 16/09/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020

DESCRIPTION: 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

Academic Requirements: To be eligible for this Bachelor's degree it is mandatory to have a 12-year school Diploma or 11 years and at least 1 year of technical university enrolment.
Minimum GPA: 70/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:
- IELTS Academic 6.0 or higher
- TOEFL ibT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher
Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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 30/05/2020
[EU Students] Applications open from 28/11/2019 to 30/09/2020

DESCRIPTION: 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.

ADMISSION REQUIREMENTS:
1. First Cycle Degree (EQF Level 6: 3 year Bachelor or equivalent) with adequate academic background (overall 72 ECTS) in:
   - Business (minimum 18 ECTS or equivalent credit hours) - The remaining credits must belong to at least 2 of the following areas:
     - Economics
     - Mathematics/Statistics
     - Quantitative Analysis (e.g. Informatics)
     - Law
   Applicants are eligible if First Cycle Qualification and language proficiency comply with the above mentioned minimum curricular requirements.
2. **CV and work experience may not replace minimum requirements but** will be taken into account by Admission Board for final selection and ranking. Please consider whether minimum requirements are possessed before applying.

3. **Formal Requirements of Recommendation Letter**
   - Addressed to Masters in Business Management;
   - Dated for current a.y.:
   - On headed paper;
   - Full Referee contacts: Affiliation, institutional e-mail, institutional phone (no cell phone) and legible signature

**Minimum GPA**: 75/100

**Minimum English Language Requirements**: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:
- IELTS Academic 6.5 or higher
- TOEFL iBT 80 or higher
- TOEIC Listening & Reading 730 or higher

**Please note**: the above requirements **may be waived** for students holding a degree from an accredited institution where English is the principle language of instruction.

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**More info:**
[internationalstudents-eco@uniroma1.it](mailto:internationalstudents-eco@uniroma1.it)

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

[**NON-EU Students**] Applications open from 28/11/2019 to 15/03/2020
[**EU Students**] Applications open from 28/11/2019 to 31/07/2020

**DESCRIPTION**: 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.

**Academic Requirments**:
- Bachelor’s Degree in Chemical Engineering, Petroleum Engineering, Industrial Chemistry or similar;
  The Bachelor degree must include at least a minimum number of credits (for non EU sudents 1 ECTS = 10 hours of lectures) in the following subjects: a) not less than 42 ECTS in Basic Scientific subjects (Mathematics, Chemistry, Physics and Computer science); b) not less than 42 ECTS in Chemical engineering subjects (such as Materials engineering, Metallurgy, Thermodynamics, Transport phenomena, Chemical plants, Process control, Applied and Industrial chemistry, etc); c) not less than 15 ECTS in industrial engineering (such as Fluid mechanics, Applied Mechanics, Electricity, Machinery, etc.).
- GRE/GATE in Chemical Engineering >75%
- Minimum GPA: 75/100

**Minimum English Language Requirements**: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:
master.chemicalengineering@uniroma1.it

**Classics**

**Bachelor's Degree** - Taught in English - Duration (Years): 3

A.Y. 2020-2021

[NON-EU Students] Applications open from 20/01/2020 to 30/09/2020

[EU Students] Applications open from 20/01/2020 to 30/09/2020

**DESCRIPTION:** To study Classics means dealing with the people and society that have shaped Cultures, Languages and Politics in the Western world. Artefacts and texts surviving from ancient Italy, Greece and other “Provinces” of the Roman Empire (Europe, Near East, North Africa) are still substantial and relevant markers in today physical and cultural landscapes all around Europe and Mediterranean.

The study of Ancient Greek and Latin will allow you to read and understand the voice of the Classical world: poets, historians, dramatists, scientists, mathematicians, architects, lawyers, magistrates, rulers as well as craftsmen, peasants, bakers, masons, men and woman in their everyday lives.

On the other hand, archaeological tools, procedures and methods will enable you to reveal, perceive, reconstruct and communicate the material complexity of the changing structure of monuments, places and territories.

Such a way of being engaged with and looking at Classics will reveal you the Past as a part of an historical process that influenced and continues to influence our Present. Modern questions and present challenges are the best cultural access point to an “actual” knowledge, interpretation and dissemination of Greek and Roman Culture as a part of common Human Heritage.

You will take over the methods of philology, art history, archaeology, law, philosophy and science. All this will provide you all the necessary tools to understand the past and move easily between the two cultures that merged under the insignia of the Roman Empire.

In order to be admitted to the degree course in Classics, you must have completed a secondary school diploma or other qualification abroad, officially recognized to get access to the italian Higher Education system (at least 12 years of schooling).

The following knowledge and skills are also required:

- good general culture;
- logical and reasoning skills;
- ability to read, understand and interpret texts;
- English language level B2.

More info:
classics.sapienza@uniroma1.it

**Clinical Psychosexology**

**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 31/07/2020
DESCRIPTION: 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.

Academic Requirements: Bachelor's Degree in Psychology
Minimum GPA: 65/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:
- IELTS Academic 6.0 or higher
- TOEFL IbT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher
Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info: clinical psychosexology@uniroma1.it

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

[NON-EU Students] Applications open from 04/12/2019 to 15/05/2020
[EU Students] Applications open from 04/12/2019 to 01/09/2020

DESCRIPTION: 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.

Academic Requirements: Bachelor Degree in Psychology or a Bachelor Degree with a major in psychology with a minimum of 90 ECTS in psychological disciplines (students are required to hold the degree by September 1st 2020)
Minimum GPA: 70/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:
- IELTS Academic 6.0 or higher
- TOEFL IbT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher
Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.
**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

**DESCRIPTION:** 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.

**Academic Requirements:** Bachelor’s degree in Computer Science or Engineering.

**Minimum GPA:** 65/100

**Minimum English Language Requirements:** Upper Intermediate (CEFR Level B2)

The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:

cognitivenueroscience.lm51@uniroma1.it
marialuisa.martelli@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 15/05/2020

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

**DESCRIPTION:** 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.

**Academic Requirements:** The Master of Science in Control Engineering typically admits students having a three-
year (or four-year) Bachelor degree with a background in the areas of information engineering, industrial and automation engineering, computer science, mathematics, or physics. All students must have a good knowledge of spoken and written English. Application documents will be evaluated first. Students with a curriculum that satisfies minimum requirements on basic (bachelor) education in the technical and scientific domains of Systems Theory, Automatic Control, and Automation Engineering will be interviewed for admission. A document available on the course web site provides more detailed information about basic concepts and methods on Linear Systems analysis and Feedback Control design that are assumed to be known by the candidate in order to be admitted to the master course. Candidates will be evaluated by technical questions on these concepts and methods during the interview.

Minimum GPA: 65/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL ibT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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

DESCRIPTION: 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.

Academic Requirements: Bachelors Degree in Computer Science, Computer Engineering, Mathematics, Physics, Statistics, Telecommunication Engineering, or a related field. This Master Degree takes for granted the subjects and contents covered during a standard Italian Bachelors Degree in Computer Science, and offers a technical in-depth analysis aimed at training experts in Cybersecurity. Therefore, this highly technological core is essential regardless of the orientation chosen within the Study Plan.

Minimum GPA: 80/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL ibT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.
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 15/07/2020
[EU Students] Applications open from 28/11/2019 to 10/09/2020

DESCRIPTION: 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.

- **Curricular requirements**: a 3-year degree or university diploma, or other adequate educational qualifications gained abroad
- **Personal preparation**: I. Mathematics: Differential and integral calculus for functions of one or more real variable; elements of linear algebra and analytic geometry in the plane. II. Probability: random variables, distributions of expected values; main models of random variables; convergence for successions of random variables. III. Computer Science: Programming principles; at least one programming language amongst C, C++, C#, Java, Python. The above-mentioned knowledge shall be verified by means of an on-line test and then through a skype interview with a Committee.
- **Minimum GPA**: 65/100
- **Minimum English Language Requirements**: Upper Intermediate (CEFR Level B2)
  
  The following test scores are accepted:
  - IELTS Academic 6.0 or higher
  - TOEFL iBT 80 or higher
  - Cambridge B2 First or higher
  - TOEIC Listening&Reading 720 or higher

**Please note**: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:
admissiondatascience@diag.uniroma1.it

Development and International Cooperation Sciences
Master's Degree - Taught in English - Duration (Years): 2
A.Y. 2020-2021
[NON-EU Students] Applications open from 02/12/2019 to 31/05/2020

[EU Students] Applications open from 02/12/2019 to 07/09/2020

DESCRIPTION: 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

Academic Requirements

1. During your bachelors programme you must have taken at least one or two exams in Economics*:
2. During your bachelors programme you must have taken at least one or two exams in Law*:
3. During your bachelors programme you must have taken at least one or two exams in Social Sciences*.

*Please note: The assessment is based on the number of the credits, not only on the number of the exams.

Minimum GPA: 80/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)

The following test scores are accepted:
- IELTS Academic 6.0 or higher
- TOEFL IbT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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 30/05/2020

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

DESCRIPTION: 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.

MINIMUM ADMISSION REQUIREMENTS:
1. First cycle Degree with adequate academic background, i.e. overall 90 ECTS (or equivalent) in:
   - Economics (macroeconomics, microeconomics and similar subjects, excluding, however, business subjects) (minimum 18 ECTS credits).
   - The remaining credits must belong to the following areas:
     - Business;
     - Mathematics/Statistics;
     - Quantitative Analysis (e.g. Informatics);
     - Law

   Applicants are eligible if First Cycle Degree and language proficiency comply with the above mentioned minimum curricular requirements.

2. CV and work experience may not replace minimum curricular requirements, but will be taken into account by Admission Board for final selection and ranking

3. Formal Requirements of Recommendation Letter
   - Addressed to Masters in Business Management;
   - Dated for current a.y.:
   - On headed paper;
   - Full Referee contacts: Affiliation, institutional e-mail, institutional phone (no cell phone) and legible signature

Minimum GPA: 75/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:
   - IELTS Academic 6.5 or higher
   - TOEFL iBT 80 or higher
   - TOEIC Listening&Reading 730 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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 30/05/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020
DESCRIPTION: Economics and comunication 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.

MINIMUM ADMISSION REQUIREMENTS:
1. First Cycle Degree (EQF Level 6: 3 year Bachelor or equivalent) with adequate academic background (overall 72 ECTS) in:
   - Business (minimum 18 ECTS or equivalent credit hours)
   - Economics;
   - Mathematics/Statistics;
   - Quantitative Analysis (e.g. Informatics);
   - Law
Applicants are eligible if First Cycle Qualification and language proficiency comply with the above mentioned minimum curricular requirements.

2. **CV and work experience may not replace minimum requirements but** will be taken into account by Admission Board for final selection and ranking.

Please consider whether minimum requirements are possessed before applying.

3. **Formal Requirements of Recommendation Letter**
   - Addressed to Masters in Business Management;
   - Dated for current a.y.:
   - On headed paper;
   - Full Referee contacts: Affiliation, institutional e-mail, institutional phone (no cell phone) and legible signature

**Minimum GPA**: 75/100

**Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)**
The following test scores are accepted:

- **IELTS Academic** 6.5 or higher
- **TOEFL Ibt** 80 or higher
- **TOEIC Listening & Reading** 730 or higher

**Please note**: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info: [internationalstudents-eco@uniroma1.it](mailto:internationalstudents-eco@uniroma1.it)

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**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 15/06/2020

[**EU Students**] Applications open from 19/11/2019 to 15/09/2020

**DE** **R** **I** **C** **S** **I** **O** **N**: 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%.

**Academic Requirements**: Bachelor’s degree in Electrical or Energy Engineering or equivalent

**Minimum GPA**: 75/100

**Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)**
The following test scores are accepted:

- **IELTS Academic** 6.0 or higher
- **TOEFL Ibt** 80 or higher
- **Cambridge B2 First** or higher
- **TOEIC Listening & Reading** 720 or higher

**Please note**: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.
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 31/05/2020  
[EU Students] Applications open from 28/11/2019 to 15/09/2020

**DESCRIPTION:** 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.

**Academic Requirements:** The MDEE selection process: - requires the general documents about the university MDEE of the candidate including the list of exams with their subjects, the corresponding grades, the Bachelor final thesis showing a strong background in mathematics (calculus, algebra, analysis) and physics (classical and modern), chemistry and electrical measurements, computer programming, analog and digital electronics, electromagnetic fields and antennas, communication theory and engineering and control theory; The submission of the following documents is strongly recommended and will constitute a positive element in the evaluation for admission to the programme, such as CGPA, GRE, and GATE, will be also taken into consideration.  
**Minimum GPA:** 76/100

The MDEE Selection Committee may request an interview with the prospective students via internet

**Minimum English Language Requirements:** Upper Intermediate (CEFR Level B2)

The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

**Please note:** the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:  
engegneria_elettronica.lm29@uniroma1.it  
antonio.dalessandro@uniroma1.it  
paolo.burghignoli@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 31/05/2020  
[EU Students] Applications open from 28/11/2019 to 15/09/2020

**DESCRIPTION:** 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.

**Academic Requirements:**

- VERY GOOD FINAL EVALUATION (minimum required CGPA 3 over 4)
- VERY GOOD BASIC MATHS
- VERY GOOD BASIC PHYSICS
- VERY GOOD BASIC CHEMISTRY
- EXTENDED KNOWLEDGE IN APPLIED THERMODYNAMICS
- EXTENDED KNOWLEDGE IN ELECTRICITY, ELECTRICAL DEVICES, DRIVES AND GRIDS
- EXTENDED KNOWLEDGE IN MECHANICAL ENGINEERING
- EXTENDED KNOWLEDGE IN STRUCTURAL MECHANICS

**Minimum GPA:** 76/100

**Minimum English Language Requirements:** Upper Intermediate (CEFR Level B2)

The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL IBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

**Please note:** the above requirements **may be waived** for students holding a degree from an accredited institution where English is the principle language of instruction.

More info: 
monica.fiorini@uniroma1.it

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**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 15/05/2020

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

**DESCRIPTION:** 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.

**Academic Requirements:** Applicants are expected to have a strong academic background in Computer Science. As a minimum requirement an applicant must have an undergraduate degree (e.g. Bachelor’s) in Computer Engineering, Computer Science, or other scientific areas (the latter will be analyzed and approved on a case-by-case basis). Selected students will be invited for a Skype interview for an assessment of their skills and background. The interview will include technical questions related to the aforementioned background.

We also suggest students to take a look at the core courses of the curriculum to have a better understanding of the
Minimum GPA: 65/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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

DESCRIPTION: 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.

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: C1). Students, however, can enrol in single modules prior to full enrolment, so as to make up for missing credits. Students need also B1 in Italian, before lessons begin.

More info:
mario.martino@uniroma1.it
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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 20/07/2020
[EU Students] Applications open from 28/11/2019 to 15/09/2020

DESCRIPTION: 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.”
Academic Requirements: Bachelor’s in: Economics, Law, Political Sciences and similar degrees  
Minimum GPA: 60/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)  
The following test scores are accepted:
  - IELTS Academic 6.0 or higher  
  - TOEFL iBT 80 or higher  
  - Cambridge B2 First or higher  
  - TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution 
where English is the principle language of instruction. Laurea Triennale, conoscenza della lingua inglese.

More info: 
europeanstudies.sapienza@gmail.com

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 31/07/2020  
[EU Students] Applications open from 20/12/2019 to 31/08/2020

DESCRIPTION: 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 ongoing 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 (1 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.

Entry requirements (eligibility has to be verified)  
1) Bachelor degree in the field of Fashion, Arts and Performing Arts, Architecture, spectacle and Music, History, Media and Communication, Sociology and Economics and Marketing, Textile engineering

2) Good proficiency in English language (reading, listening, writing B2 level (certificates like IELTS, TOEFL, Cambridge, Trinity College or TOEIC)

The evaluation will be according to the final grade of the Bachelor's Degree, the cv, and the portfolio about the skills and activities in the field of Fashion Studies.

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 28/11/2019 to 30/05/2020

[EU Students] Applications open from 04/12/2019 to 01/09/2020

**DESCRIPTION:** 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.

**ADMISSION REQUIREMENTS:**
Bachelor in Economics, Business Administration or other first cycle Degree with adequate academic background (overall 72 ECTS) in:
• Business, Economics, Mathematics and Statistics (minimum 54 ECTS or equivalent credit hours)
• Quantitative Analysis (e.g., Computer science, Programming, Econometrics, etc.)
• Law

Minimum GPA: 75/100

**Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)**
The following test scores are accepted:
- IELTS Academic 6.5 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 730 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:
fabio.tardella@uniroma1.it
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

**DESCRIPTION:**
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

**Academic Requirements:** Bachelor’s Degree in Biological Science (L-13) or as, an alternative, Bachelor’s degree with at least 90 CFU creditscomprising the following scientific fields: physics, mathematics, chemistry, and basic and
characterizing biological disciplines

Minimum GPA: 75/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:
prisca.ornaghi@uniroma1.it

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

[NON-EU Students] Applications open from 06/04/2020 to 23/09/2020
[EU Students] Applications open from 07/04/2020 to 23/09/2020

DESCRIPTION: "Global Humanities" is an undergraduate degree programme taught in English that combines innovative teaching methodologies with participatory learning in the fields of Humanities and Social Sciences. The programme explores histories, cultures, philosophies, critical theories, politics and arts through courses in History, Anthropology, Literature, Media, Law, Human Rights, Migrations, Gender Economics, Psychology, Public Health and more. Students will be able to select courses within the programme to create flexible and career-oriented curricula that take into account the background and the specific interests of every student. This BA course opens doors to new career opportunities, taking students on an exciting journey of learning and discovery in the fields of cultural institutions, the public and no-profit sectors, education, media, journalism, and more. The programme partners with other organizations and institutions to offer a vibrant curriculum that pursuits the study of ‘Humanities for Hope’ to achieve ‘Humanity for All’.

- High School Diploma earned after no less than 12 years of studies
- Knowledge of English at at least B1 level (intermediate) - if you do not have a certificate your level of English will be required to sit for a SKYPE INTERVIEW.

PLEASE NOTE:
- The programme's full curriculum and Call for Applications are available at https://corsidilaurea.uniroma1.it/en
- The application platform is currently being updated and you may be asked to upload a University degree instead of your High School Diploma. In that case, please disregard such a request, and upload/enter your High School details instead.

More info:
globalhumanities.sapienza@uniroma1.it
mara.matta@uniroma1.it

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

[NON-EU Students] Applications open from 28/1/2019 to 30/05/2020
[EU Students] Applications open from 28/11/2019 to 01/09/2020
DESCRIPTION: 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

ADMISSION REQUIREMENTS:
Bachelor Degree or university Diploma of three-years period in Business Administration or Economics. For graduates at other classes are required at least 72 ECTS in:

- Mathematics;
- Probability and Statistics;
- Health Management;
- Engineering-Economic Management;

Applicants are eligible if First Cycle Qualification and language proficiency comply with the above mentioned minimum curricular requirements.

Minimum GPA: 70/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.5 or higher
- TOEFL IbT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 730 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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

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

[NON-EU Students] Applications open from 13/06/2020 to 29/09/2020

[EU Students] Applications open from 13/06/2020 to 29/09/2020

DESCRIPTION: The course pursues the objective of completing a training in the field of Landscape Architecture. This integrates multidisciplinary knowledge and skills, useful at different scales of designing, also to acquire the ability to collaborate in interdisciplinary teams.

The training follows the European model, with activities to obtain skills in planning, design and management of landscapes in their natural and anthropic components; to meet human and natural, functional and aesthetic needs, based on the physical, ecological characteristics and the cultural and aesthetic values of the landscape, the potential and the critical aspects of the contexts.

The knowledge for training of the landscape architect, according to IFLA, are:

1. the history and theories of landscape;
2. the aesthetic theories influencing the landscape project;
3. the ecology and the “nature-based solutions” for the landscape project;
4. the relationships between landscape and urban transformations;
5. environmental protection;
6. relations between man and the environment;
7. the protection, conservation, and restoration of historical landscapes;
8. landscape architecture in the transformation processes at any scale;
9. preparatory analyses for landscape design;
10. methods and techniques of representation and communication;
11. production, regulatory and management processes;
12. legislation relating to landscape projects.

Enrollment is subject to verification of the student's requirements and personal preparation. In short, you need a university degree or an equivalent qualification, in the fields of landscape architecture, architectural sciences, territorial, urban, environmental and landscape planning sciences, building construction sciences and techniques, agricultural and forestry sciences and techniques, and similar.

Students must have acquired at least 90 ECTS credits in previous university programs in the disciplines listed in "Entry Requirements". All of these are basic and mandatory requirements for registration. Any necessary curricular integration, in terms of ECTS, must be acquired before the assessment of the student's individual preparation.

Minimum GPA: 65/100

Minimum English Language Requirements: Upper-Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL IBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher
- GESE Grade 8

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the primary language of instruction.

More info:
fabio.dicarlo@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 14/07/2020

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

**DESCRIPTION:** 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.

72/100
English B2 minimum
GRE (not mandatory)
Bachelor in mechanical engineering or related
MSc Environmental and 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 12/07/2020
[EU Students] Applications open from 17/12/2019 to 15/09/2020

DESCRIPTION: 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;

Academic Requirements: Bachelor's Degree in Building or Environmental Engineering

Minimum GPA: 80/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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

DESCRIPTION: 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)

**Academic Requirements:**
The MS in Nanotechnology Engineering aims to promote the study of advanced scientific and professional training with specific skills in engineering sciences concerning simulation, concept and design of materials, dedicated production processes to the industrial nanotechnology sector.

The access to the MS requires acquired knowledge such as found in many Degree Courses in Engineering, in all of the Degree Courses of Industrial Engineering, or in large part in the Degree Courses of Chemistry, Physics and Biotechnology.

In detail, basic knowledge in basic principles of chemistry and physics, physics of matter, algebra, geometry, mathematical analysis/statistics/physics, and probability should be pre-existing.

Moreover, some knowledge in one or more of the following fields is strongly suggested: science and technology of materials, fluid dynamics, energy and environmental systems, mechanical/thermal/electrical/electric measurements, mechanics applied to machines, electric engineering.

**Minimum GPA:** 70/100.

**Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)**
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL ibT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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 27/08/2020

[EU Students] Applications open from 01/12/2019 to 31/08/2020

**DESCRIPTION:** 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.

**Academic Requirements:** The student should have a BSc in Physics or in a similar subject.

The student is required to have a basic knowledge of Classical Mechanics, Thermodynamics, Electromagnetism, Optics, Quantum Mechanics and Statistical Mechanics. He should have laboratory experience and knowledge of the methods of data analysis for physical sciences. Moreover, he should have some knowledge computer programming
and of the most important numerical methods used in Physics. A detailed description of the physics prerequisites is reported in the Syllabus available at https://www.phys.uniroma1.it/fisica/sites/default/files/allegati/syllabus-LM17.pdf

Students should present a CV, a motivational letter in which they clearly state which track they would like to enroll in (Particle and Astroparticle Physics; Condensed Matter Physics; Biophysics; General Theory). Before admission, the Selection Committee may require a skype conversation, with the purpose of verifying the knowledge of the topics reported in the Syllabus mentioned above. Students may also include a GRE certificate.

Minumum GPA: 75/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL ibT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&amp;Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:

fisica-lm17@uniroma1.it

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

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

[EU Students] Applications open from 04/12/2019 to 15/09/2020

DESCRIPTION: 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&amp;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.

Academic Requirements: with regard to degrees achieved in Italy (by Italian citizens, EU citizens and non-EU citizens residing in Italy) the valid degrees are: in Industrial Design (L-4 class, former L-42 class), in Industrial Engineering (L-9 class, former L-10 class), in Architecture (L-17 class, former L-4 class), in Building Sciences and Techniques (L-23 class), in Computer Science Engineering (L-8 class, former L-9 class); - with regard to degrees achieved in EU or non-EU countries, the valid degrees are: in Design (any field of Design), in Industrial Engineering, In Computer Science Engineering (with a specific cv in Robotics, or IoT), in Architecture.

Minimum GPA: 75/100

The evaluation will be according to the final grade of the Bachelor Degree, the cv and the portfolio about the skills and activities in the field of Product Design.

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 5.5 or higher
- TOEFL ibT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&amp;Reading 720 or higher
**Please note:** the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info: 
[msproductdesign@uniroma1.it](mailto: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

**DESCRIPTION:** 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.

**Academic requirements:** A BACHELOR DEGREE in Sciences (I cycle equivalent-180 ECTS credits). Candidates must have a strong background in a wide range of Science subjects. In particular they must have attained at least: 84 ECTS credits in scientific disciplines, including Mathematics, Physics, Chemistry, Mineralogy, Biology, and Computer science 6 ECTS credits in humanities and economic disciplines (e.g., Museology, History of Restoration and Techniques of Artistic Production, and Cultural Heritage Legislation).

**Enrollment will be based on admission requirements, followed by scheduled interviews for all eligible students.**

**Minimum GPA:** 75/100

**Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)**  
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

**Please note:** the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:  
[scienzebc@uniroma1.it](mailto: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  
[EU Students] Applications open from 28/11/2019 to 30/06/2020

**DESCRIPTION:** 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.

Academic requirements:

- **Bachelor in Aeronautical/Aerospace Engineering is preferred**, other industrial engineering bachelor are accepted (especially mechanical/energy engineering). Other bachelor degrees in engineering/physics are only considered for outstanding candidates. Required background knowledge includes the following subjects: Trigonometry; Analytic geometry; Calculus; Linear algebra; Numerical methods for equation roots and quadrature; Programming skills (Matlab, Fortran, Mathematica, CAD); General Chemistry; Physics: Mechanics, Thermodynamics and Electromagnetism; Analytical Mechanics; Applied Mechanics; Materials Science; Electrical engineering; Mechanics of solids; Aerodynamics; Structural analysis; Basics of orbital mechanics; Basic concepts of thrust generation and cost in jet engines.

- **Minimum GPA**: 70/100

**Minimum English Language Requirements**: Upper Intermediate (CEFR Level B2)

The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL IbT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info: aerospaceengineering@uniroma1.it

**Statistical Methods and Applications**

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

A.Y. 2020-2021

[NON-EU Students] Applications open from 04/12/2019 to 10/07/2020

[EU Students] Applications open from 04/12/2019 to 10/07/2020

**DESCRIPTION**: 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.

Academic background: at least an undergraduate (Bachelor) degree with a solid foundation in Calculus, Probability and Statistics, some computing skills and basic knowledge of programming. The academic background of international students (EU and non EU) is assessed by a Prospective Student Selection Committee based on the documentation provided by the student (see below). Candidates holding a Bachelor Degree in Statistics or Actuarial Sciences are automatically accepted. Candidates possessing Bachelor Degree with at least 60 ECTS in the subject areas corresponding to the Ministerial Scientific Sectors labelled as MAT/*, INF/01 FIS/01, FIS/02, FIS/07 ING-IND/35, ING-INF/05 M-PSI/03 SECS-S/, SECS-P/ are automatically accepted.
Minimum GPA: 65/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)  
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL IBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:  
sma-dss@uniroma1.it

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

[NON-EU Students] Applications open from 28/11/2019 to 15/08/2020  
[EU Students] Applications open from 28/11/2019 to 15/09/2020

DESCRIPTION: 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.

Academic Requirements: https://web.uniroma1.it/cdaingtrasporti/entry-requirements  
Minimum GPA: 72/100

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)  
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL IBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening&Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

More info:  
stefano.ricci@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 15/09/2020
[EU Students] Applications open from 11/12/2019 to 15/09/2020
DESCRIPTION: 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 tecnico-scientifiche. 1) Possesso di una Laurea di primo livello di tre anni (Bachelor) o del Diploma Universitario in architettura, ingegneria civile e ambientale, ingegneria architettura, project management e scienze dell'architettura; 2) livello B2 in lingua italiana 3) Portfolio
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 29/09/2020
[EU Students] Applications open from 16/12/2019 to 29/09/2020
DESCRIPTION: 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 tecno-scientifiche. Le conoscenze indispensabili alla formazione professionale completa dell'architetto del paesaggio definite a livello europeo (EFLA Declaration, European Fondation for Landscape Architecture, Brussels, 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 architetture 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 tener 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

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 06/11/2020
[EU Students] Applications open from 12/02/2020 to 06/11/2020

DESCRIPTION: Il Corso di Laurea magistrale (CdLm) in Architettura - Rigenerazione urbana, in coerenza con gli obiettivi formativi qualificanti della classe LM-4, ha la finalità di fornire una risposta alla esigenza di un nuovo profilo di architetto inserito a pieno titolo, in termini culturali e professionali, e non meramente formali, nel contesto europeo, contesto in cui i temi della rigenerazione urbana svolgono, senza dubbio, un ruolo di particolare rilevanza, così come anche reso evidente a fronte delle principali questioni individuate nell’Agenda urbana europea e internazionale, nonché, più recentemente, anche nell’Agenda urbana nazionale in via di definizione. Un architetto formato per indagare, configurare e sostenere processi di rigenerazione urbana, dedito al progetto come ricerca e come processo di sperimentazione continua; capace di fornire risposte adeguate ai processi di rigenerazione della città contemporanea a tutte le scale e in modo integrato, coniugando la complessità per restituire al progetto della città e dell’architettura contemporanea prospettive di equità sociale, di benessere e inclusione, di qualità ecologica, di sostenibilità storico-ambientale, di efficacia ed efficienza nell’uso delle risorse. Una figura professionale portatrice di una competenza progettuale, tecnica e tecnologica in grado di gestire il carattere di emergenza dei fenomeni e l’intervento in territori, come quelli delle città italiane, fortemente connotati in termini di stratificazione e di fragilità delle diverse componenti, e tuttavia, al tempo stesso, rispondente alle linee di azione e agli indirizzi strategici del contesto e dell’Agenda urbana europea. Le modalità di ammissione alle Lauree magistrali prevedono la verifica del possesso dei requisiti curricolari previsti dall’Ordinamento e dell’adeguatezza della preparazione personale. Per accedere al CdLm è necessario:

- essere in possesso di una Laurea o di un Diploma universitario di durata triennale (DM 270/04, art. 6, comma 2), ovvero di altro titolo di studio conseguito all’estero, riconosciuto idoneo;
- aver adempiuto alle attività formative indispensabili corrispondenti al possesso dei 108 CFU definite nella tabella relativa alla Laurea in “Scienze dell’Architettura” L17;
- aver superato il test di ammissione obbligatorio per l’iscrizione a un CdL o CdLm a ciclo unico, con la finalizzazione diretta “alla formazione di architetto”, come definito annualmente dal Ministero a livello nazionale, con decreto, relativamente al n. di posti per le immatricolazioni degli studenti.

More info: carmela.mariano@uniroma1.it; architettura_rigenerazioneurbana.lm4@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 15/05/2020
[EU Students] Applications open from 02/12/2019 to 30/07/2020

DESCRIPTION: 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-meccanici, e allo sviluppo di microsistemti 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. Requisiti per l'ingresso:
1) Laurea triennale nei settori dell'Ingegneria Industriale e dell'Informatica.
2) Buona padronanza della lingua italiana, dimostrata da una certificazione adeguata.
La valutazione sarà effettuata considerando il voto finale della laurea triennale, il cv e il portfolio sulle competenze e le attività nel campo dell'ingegneria, al fine di valutare e garantire che il candidato abbia le conoscenze di base necessarie per essere formato come futuro Ingegnere delle nanotecnologie. In particolare, per la valutazione delle applicazioni utilizzeremo i parametri equivalenti GPA / CGPA (Cumulative Grade Points Average) o GPA / CGPA. Saranno ammessi direttamente solo i candidati con laurea triennale in Ingegneria e con i valori più alti indicativamente, GPA / CGPA> = 16/20, 3.7 / 4, 90/100; quelli con i valori più bassi indicativamente, GPA / CGPA <2.7 / 4, 80/100, 13/20 saranno esclusi direttamente. Per tutti gli altri, ci sarà una commissione ad hoc (il comitato di ammissione) che effettuerà un'attenta valutazione dei contenuti dei CV presentati.

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

DESCRIPTION: 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. Academic Requirements: Applicants are expected to have a strong academic background in Management Engineering. As a minimum requirement, an applicant must have an undergraduate degree (e.g. Bachelor's) in Management Engineering or related scientific areas. Proof of English language proficiency. Proof of Italian language proficiency (there are four mandatory exams in Italian language, for an amount of 42 credits out of 120). The evaluation of the candidatures aims at checking that prospective students have the necessary background to successfully perform in their studies. The main elements required for admission are listed below. General background in scientific disciplines (including Mathematics and Computer Science) Specific background in: Accounting Capital Budgeting Operations Research Supply Chain Management Selected students may be invited for a Skype interview for an assessment of their skills and background. The interview will include technical questions related to the aforementioned background.
Minimum GPA: 75/100

Minimum Italian Language Requirements: Upper Intermediate (CEFR Level B2)
The following certificates are accepted: https://www.linguaitaliana.esteri.it/lingua/corsi/certificazioni/ricerca.do
Students without one of the above certificates will need to pass a mandatory language test in Rome.

Minimum English Language Requirements: Upper Intermediate (CEFR Level B2)
The following test scores are accepted:

- IELTS Academic 6.0 or higher
- TOEFL iBT 80 or higher
- Cambridge B2 First or higher
- TOEIC Listening & Reading 720 or higher

Please note: the above requirements may be waived for students holding a degree from an accredited institution where English is the principle language of instruction.

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 28/11/2019 to 30/05/2020
[EU Students] Applications open from 13/01/2020 to 01/09/2020

DESCRIPTION: 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. REQUISITI MINIMI DI AMMISSIONE

1) Laurea di primo ciclo (livello EQF 6: laurea triennale o equivalente) con adeguata preparazione accademica (complessivamente 72 CFU) in:
   • Studi aziendali e management (minimo 18 CFU/ECTS o crediti/ore equivalenti) - I restanti crediti devono appartenere ad almeno 2 delle seguenti aree:
   • Economia;
   • Matematica/Statistica;
   • Analisi quantitativa (ad es. Informatica);
   • Diritto

2) Rendimento accademico espresso dalla media ponderata (CGPA)
Per Studenti extra-UE residenti all'estero: 75%
Conversione ed equivalenza di crediti e voti saranno stabiliti ad insindacabile giudizio della commissione di selezione.

3) Conoscenza della lingua italiana:
https://ambastana.esteri.it/ambasciata_astana/it/in_linea_con_utente/iscrizione-a-universita-italiane
uno dei seguenti certificati di lingua:
• certificati di lingua italiana corrispondenti ai livelli del Consiglio europeo B2 emessi nell'ambito della Certificazione Lingua Italiana di Qualità (CLIQ);
• diploma di istruzione secondaria di secondo grado di durata quinquennale o quadriennale conseguito presso le scuole italiane statali e paritarie all’estero;
• certificato complementare al titolo finale di Scuola Media conseguito in Argentina, che attestano la frequenza di un corso di studi comprensivo dell’insegnamento, per almeno 5 anni, della lingua italiana, ai sensi della Legge n. 210 del 7.6.1999 (G.U. n. 152 dell’1.7.1999);
• diploma di lingua e cultura italiana presso le Università per Stranieri di Perugia e di Siena:
In alternativa, i candidati extracomunitari che non risiedono in Italia, per potersi immatricolare ai corsi di studio devono superare una prova obbligatoria di lingua italiana.
https://www.uniroma1.it/it/pagina/segreteria-studenti-con-titolo-straniero
Le candidature saranno valutate solo se titolo di studi e competenza linguistica corrispondono ai requisiti curricolari minimi sopra menzionati.
Curriculum vitae e esperienza lavorativa non sostituiscono i requisiti minimi, ma saranno valutati dalla Commissione di selezione ai fini della graduatoria finale.

MINIMUM ADMISSION REQUIREMENTS
1) First Cycle Degree (EQF Level 6: 3 year Bachelor or equivalent) with adequate academic background (overall 72 ECTS) in:
   • Business (minimum 18 ECTS or equivalent credit hours) - The remaining credits must belong to at least 2 of the following areas:
   • Economics;
   • Mathematics/Statistics;
   • Quantitative Analysis (e.g. Informatics);
   • Law
2) Academic performance as shown by weighted average mark
   Non-EU students resident abroad: 75%
   Admission Board will evaluate grade conversion.
3) Italian language proficiency:
   one of the following accepted language certificates:
   • Italian language certificates with grades corresponding to European Council levels B2 (issued within Quality Certification of the Italian Language – CLIQ);
   • Students with a secondary school diploma (4-5 year) that has been issues by a recognised public or private Italian school abroad;
   • Students with a complementary grade school certificate obtained in Argentina (years 6-8) certifying that at least five years were conducted in Italian.
   Applicants are eligible if First Cycle Qualification and language proficiency comply with the above mentioned minimum curricular requirements.
4) CV and work experience may not replace minimum requirements, but will be taken into account by Admission Board for final selection and ranking.

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
DESCRIPTION:
Il Master in Organizzazione e Marketing per la Comunicazione d’impresa forma professionali 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. Requisiti d'ingresso:
Buona conoscenza dell'italiano (almeno B2).
Gli studenti devono anche possedere i seguenti requisiti accademici:
1) Durante il corso (bachelor) hai sostenuto almeno uno o due esami in Economia e/o Marketing;
2) Durante il corso hai sostenuto almeno uno o due esami di Comunicazione;
3) Durante il corso hai sostenuto almeno uno o due esami in Scienze Sociali.

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

**DESCRIPTION:** 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 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 e 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 e l'unico corso che consente di accedere a un titolo di laurea in Classe LM-63.

Il corso biennale è articolato in 120 CFU. Al corso di Laurea Magistrale accedono:
- i laureati ai corsi di Laurea appartenenti alla classe L-16 e di Laurea Magistrale in Giurisprudenza LMG/01,
- i laureati di altre classi, altre facoltà o altri atenei italiani o esteri che abbiano conseguito almeno 90 CFU nei settori scientifico-disciplinari di base e caratterizzanti previsti dall'ordinamento del corso L-16. Nei casi in cui non si raggiungano i 90 CFU l'area didattica avrà cura di verificare le affinità degli studi compiuti e di stabilire le eventuali necessità formative e precisarne le modalità.

L'accesso al corso di Laurea Magistrale è subordinato al criterio oggettivo di un voto di laurea pari almeno a 90/110. Nei casi in cui tale parametro non venga soddisfatto la verifica si concluderà con una prova di valutazione curriculare.

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 31/05/2020
[EU Students] Applications open from 02/12/2019 to 06/09/2020

**DESCRIPTION:** 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

DESCRIPTION: 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. Per accedere alla Laurea Magistrale in Scienze e Tecnologie per la Conservazione dei Beni Culturali è necessario essere in possesso di una laurea triennale o di un diploma universitario, o altro titolo idoneo conseguito all'estero. Sono richieste conoscenze di base delle scienze matematiche, fisiche e naturali, dei materiali costitutivi e/o impiegati nel patrimonio culturale, delle discipline umanistiche ed economiche (museologia, storia del restauro e tecniche della produzione artistica, legislazione ed economia dei beni e delle attività culturali); è inoltre richiesta conoscenza relativa all'Information Technology. L'ammissione si svolgerà in base alla verifica dei requisiti curriculari e un colloquio per tutti gli studenti, ovvero attraverso la procedura di pre-selzione online. Per accedere al programma di studio, gli studenti devono avere un livello B2 di conoscenza della lingua italiana. In assenza di una certificazione, il livello linguistico sarà accertato dalla Commissione di ammissione.

More info: scienzebc@uniroma1.it