



SAPIENZA
UNIVERSITÀ DI ROMA

Programmes in English

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FEEL AT ROME

Choosing a university isn't easy. You want a place that can make your dreams come true, educate you and provide you with the life skills and resources that will give you an edge in the world. Sapienza University of Rome is just that place. With over 700 years of history, we have been nurturing students for centuries. Sapienza, which was founded in 1303 as the Studium Urbis, is the university with the largest student population in Europe: over 112,000 students. Merging centuries of knowledge and tradition with cutting-edge research and innovation, Sapienza provides a unique environment, where students are encouraged to exchange ideas and philosophies. And it all takes place in one of the most breath-taking cities in the world: Rome.



SAPIENZA AT A GLANCE

112,557 students

59 Departments

11 Faculties

275+ degree programmes

54 libraries

18 museums



We are a **large, public and comprehensive Italian university**, specializing in almost **all fields of knowledge at all academic levels** (Bachelors, Masters, and PhD). As a public university, most of our funding comes from the Italian government. This enables us to keep our tuition fees very low, while maintaining **academic freedom, excellent academic and research standards and impressive international rankings** in a wide range of disciplines.

Throughout the course of the year, Sapienza also organises a myriad **cultural, social and sporting activities** to encourage students to conduct a well-rounded social life. These include: The “MuSa” orchestras, choirs and jazz ensembles; Sapienza Theatron - Ancient Theatre Group, the RadioSapienza web-radio station and a wide range of sports facilities.



RANKINGS

CWUR

Centre for World University Rankings

67

U.S. News

U.S. News

125

QS WORLD UNIVERSITY RANKINGS

QS World University Rankings

217

1st worldwide for Classics & Ancient History

11th for Archaeology

34th for Physics & Astronomy

43rd for Library & Information Management



Sapienza is recognized worldwide as one of the best universities in Italy and globally. It is renowned for its excellence in Classics & Ancient History, Archaeology, Physics and Astronomy, as well as Environmental Studies, Nanotechnology, Cellular and Gene Therapy, Design and Aerospace Engineering and many other disciplines.

- Humanities: second in Italy and 62nd worldwide
- Natural Sciences: first in Italy and 57th worldwide
- Medicine and Life Sciences: fourth in Italy and top-150 worldwide
- Engineering & Technology: third in Italy and top-100 worldwide
- Social Sciences and Management: fourth in Italy and top-125 worldwide.

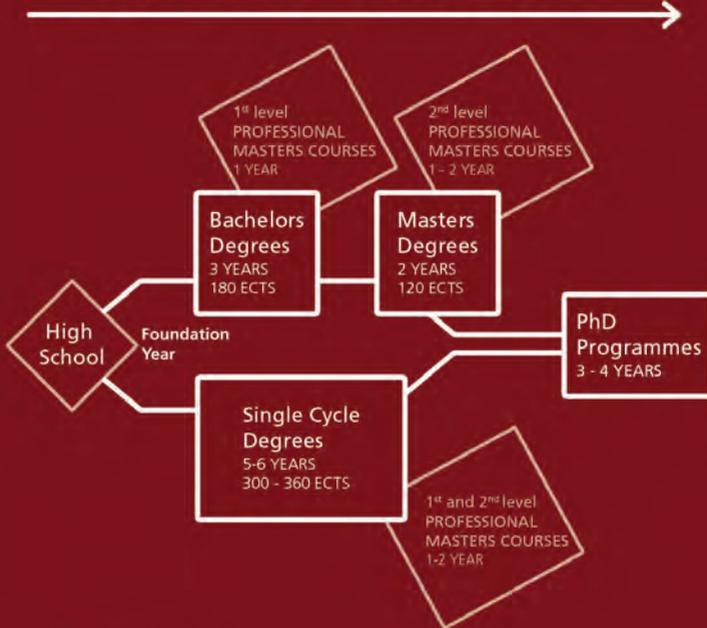
Source: QS World University Rankings by Subject 2019



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THE ITALIAN UNIVERSITY SYSTEM

THE ITALIAN UNIVERSITY SYSTEM



For further information visit
the web site:
www.miur.it/guida/guide.htm
www.cimea.it

Italian universities use the ECTS system, also called CFU in Italian (*crediti formativi universitari*). One academic year corresponds to 60 ECTS credits that are normally equivalent to 1500–1800 hours of total workload, regardless of standard or qualification type. 1 ECTS (or CFU) is normally equivalent to a 25-hour workload (classes, individual study, internship, practical training, etc.)



FOUNDATION YEAR

Our “Foundation Year” programme was conceived for international students who need to complete their basic education in order to pass an admission test at Italian public universities (in a range of disciplines, i.e., Medicine, Architecture, Science, Engineering and Humanities).

The programme is held in English and primarily addresses students who do not meet the minimum schooling requirements to apply for enrolment at Italian universities.

Candidates may apply for the “Foundation Year” Programme even if they already have the 12 years of schooling necessary to enrol but wish to improve their educational or linguistic competences.



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SUMMER & WINTER SCHOOLS

Besides the many degree programmes, Sapienza also offers short and intensive courses in a wide range of subjects such as Classics & Archaeology, Italian Language and Culture, Cultural Heritage in The Near Middle East, Religions and Peaceful Coexistence and many others. Summer & Winter Schools are a great way to get a taste of Sapienza's academic excellence and visit the wonderful city of Rome. Most Summer and Winter Schools also include study trips and field activities.



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ADMISSIONS

Our University provides over 275 Bachelors and Masters Programmes and 81 PhD Programmes. Moreover, in addition to the many courses held in Italian, Sapienza also provides over 35 programmes held entirely in English.

To be eligible for Italian higher education at the Bachelors level, it is mandatory to have a High School diploma earned after no less than 12 years of studies. If you do not possess this requirement, please see the "Foundation Year" section of this booklet or visit our International Admissions webpage.

To be eligible for Italian higher education at the Masters level, it is mandatory to have a High School diploma and a Bachelors degree earned after no less than 15 years of studies (of which at least 3 must be at university level).

Pre-selection Application

For most English-taught programmes (and some Italian-taught programmes) students are required to go through an **online pre-selection application**, available at www.uniroma1.it/en/pagina/international-admissions-0

Non-EU students can submit their applications from November until mid-April or mid-May (depending on the programme). There is only one intake and students are expected to be in Rome by mid-September (or earlier, if they need to take an entrance or language examination for their chosen programme).

The online application allows perspective students to upload their university or school diploma and transcript, as well as language certificates, reference letters, CV, portfolio, and any other document needed for their academic evaluation.

For programmes not included in the pre-selection platform, students must follow the procedure described in the call for applications of their chosen programme. The full course catalogue is available at <http://corsidilaurea.uniroma1.it/en>;

Visa Application

Non-EU students are also required to apply for a study visa at their local Italian Embassy or Consulate. We encourage students to do so as soon as possible. Students applying for programmes offering an online pre-selection must submit their pre-acceptance letter to the Italian Embassy/Consulate in their country of residence.

APPLY NOW





INTERNATIONAL OPPORTUNITIES

With over 8,000 international students and thousands of agreements with partner universities all over the world, studying at Sapienza also opens you up to a wealth of international study and research opportunities.

All of our students can apply for grants and scholarships (i.e. Erasmus+, bilateral agreements) to study, do research or do an internship abroad, both in Europe and outside of Europe. Many of our programmes also offer double or joint degree options.



Erasmus+

PROGRAMMES IN ENGLISH

Sapienza University currently offers 37 programmes entirely taught in English at Bachelors (3 years) and Masters (2 years) levels.

3-year Bachelors

BSc Bioinformatics

The inter-faculty BSc in Bioinformatics aims to train students to use Bioinformatic approaches to address the molecular and cellular bases of biological systems, the structure and function of biological macromolecules and to interpret the massive information produced by biomolecular and biomedical screenings and data collection projects (genomic, transcriptomic, proteomic, metabolomic, pharmacogenomic and microbiomic). In particular, the programme provides basic training in Mathematics and Statistics, Programming and Computer Science along with Chemistry, Cell and Molecular Biology, Biochemistry and Genetics. These courses will be followed by more advanced ones, which will guide students through the different applications of Bioinformatics.

Academic requirements: Admissions test

English requirements: CEFR Level B2 or equivalent; Students without official language certifications will be interviewed. For further details, please refer to the call for applications (available on the website in July).

Contacts: maria.carbone@uniroma1.it

BSc in Nursing

The BSc in Nursing prepares students to work as certified clinical nurses in public and private health facilities. Students learn the correct application of diagnostic and therapeutic procedures, acting individually and also in collaboration with other health care and social service operators. The programme is based on lectures, seminars, practical simulations and hospital internship, including traditional learning activities, modern teaching tools and training with specialist health services, as well as laboratory activities.

Academic requirements: Student enrolment is based on an admission test. Admission to degree programmes requires general knowledge of biology, chemistry, physics, mathematics and logical reasoning skills.

English requirements: For enrolment purposes, a passing grade on the admission test will be considered as a sufficient level of English.

Contacts: nursing@uniroma1.it

BSc Sustainable Building Engineering

The BSc in Sustainable Building Engineering introduces students to energy efficiency and recyclable materials application, reducing environmental impact, with the aim of following green building standards. The objective of the course is to allow students to design and work on both new buildings and old ones, which need to be recovered in an urban regeneration perspective. They will learn skills for a sustainable land management, which respects geological, hydrogeological, hydraulic and seismic constraints in making this target achievable. Indeed, the goal of sustainable development is the real challenge of our era. Please note: the Bachelors Degree Programme in Sustainable Building Engineering is held at the Sapienza Campus in Rieti, a town 80 kilometres north of Rome.

Academic requirements: High School diploma earned after no less than 12 years of studies; if you do not possess this requirement, please see the “Foundation Year” section of this booklet or visit our International Admissions webpage.

English requirements: CEFR Level B2 (IELTS 6.5 or equivalent)

Contacts: sbe@uniroma1.it

Upcoming programmes 2020-2021

BA Classics

The BA programme in Classics will focus on the advanced knowledge of cultural and historical documents of any kind, allowing students to get significant exposure to research. Core classes will include: Latin and classical languages, Introduction to Greek and Roman cultures, Cultural History of Classical Antiquities, Archaeology and History of Greco-Roman World.

BSc Hospitality Management (TBC)

2-year Masters

MSc Architecture (Conservation)

The MSc in Architecture (Conservation), which focuses mainly on Italian architectural heritage, aims to train students to consolidate and preserve the existing architectural and environmental heritage and embark on the development of high-quality projects that take into account the relation between new projects, the environment and the historical city. The programme, which brings together a range of different disciplines, including humanities and technical-scientific subjects, addresses the historical-critical and historical-technical analysis of architecture, ranging from individual projects to the landscape as a whole, and architectural project design, execution, practice and conservation of existing architectural structures.

Academic requirements: Bachelors degree in Architecture, Civil and Environmental Engineering, Architectural Engineering, Project Management and Building Sciences

English requirements: CEFR Level B2

Contacts: architectureconservation@uniroma1.it

MSc in Artificial Intelligence and Robotics

The MSc in Artificial Intelligence and Robotics trains students to develop the interdisciplinary skills that are necessary to design and manage the development of complex projects and their

impact on society. Artificial Intelligence and Robotics are amongst the fastest growing sectors worldwide and present unlimited opportunities in nearly every field. Students will learn to design and develop advanced software systems including components developed with Artificial Intelligence Techniques, in particular robotic systems for service and industrial applications, and computer animation and monitoring systems.

Academic requirements: Bachelors degree in Computer Engineering, Computer Science, or other scientific areas (the latter will be analysed and approved on a case-by-case basis). Applicants will be interviewed (remotely) during the evaluation process.

English requirements: Proof of English language proficiency at CEFR Level B2 or equivalent.

Contacts: admissions@diag.uniroma1.it

MSc Atmospheric Science and Technology

The MSc in Atmospheric Science and Technology (LMAST) is an international Masters degree programme, jointly managed by Sapienza University of Rome and the University of L'Aquila, providing students with a solid background and specific skills in atmospheric science from both a physical and an engineering perspective. The programme includes fundamentals of fluid mechanics, dynamical meteorology, climate mod-

elling and statistical mechanics, as well as satellite Earth observation, radar meteorology and environmental meteorology, and requires interdisciplinary subjects, internships and a Masters thesis. Graduates can obtain a statement of learning curriculum conformity to the World Meteorological Organization (WMO) Recommendation n. 1083.

Academic requirements: Bachelor (BSc) in Physics, Chemistry, Environmental Engineering, Aerospace Engineering

English requirements: CEFR Level B2 or equivalent

Contacts: lmast.univaqsapienza@uniroma1.it, rosella.ferretti@aquila.infn.it, frank.marzano@uniroma1.it

MSc Business Management

The MSc in Business Management provides students with the knowledge, skills and attitude necessary to play a leading managerial and/or entrepreneurial role or to work as a business consultant. The programme integrates basic and transversal knowledge in an inter-functional and entrepreneurial perspective. Students acquire in-depth knowledge of management, economics, mathematics, statistics and law; problem-solving skills; and specific competences in governance, marketing and sustainability. For the second year, students can choose to concentrate on: General Management and Sus-

tainability or Marketing. Management students may also apply to double-degree programmes.

Academic requirements:

1) Bachelor in Business Administration or similar first cycle Degree (EQF Level 6) 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 • Law

2) Academic performance as shown by weighted average mark

English requirements: TOEFL ibt 80; TOEFL pbt 550; TOEIC 730; IELTS 6.5.

Contacts: internationalstudents-eco@uniroma1.it

MSc Chemical Engineering for Innovative Processes & Products

The Msc in Chemical Engineering for Innovative Processes & Products Engineering provides students 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 pro-

cessing of traditional and innovative materials; (iii) management of pollution prevention, environmental protection, and safety in process plants where substances are handled or produced.

Academic requirements: Bachelors in Chemical Engineering, Petroleum Engineering or equivalent

English requirements: CEFR Level B2 (IELTS grade ≥ 6 ; Cambridge FCE- Grade B or CAE-Grade C, ETS-TOEFL paper-delivered grade ≥ 547 or Internet-delivered grade ≥ 78)

Contacts: master.chemicalengineering@uniroma1.it

MA Classical Archaeology

The MA in Classical Archaeology represents a great innovation in Italian universities programmes. The renowned Archaeology studies at Sapienza University are combined with the online tools of the Unitelma Sapienza University which provides Italian and international users with an exclusive and prestigious training project. The Masters Degree is an inter-university programme awarded jointly by the two partner universities providing a thorough training in the field of Classical Archaeology. In particular, through a didactic methodology combining both traditional (archaeological, linguistic-philological, artistic) and innovative resources (applying the most advanced methods to the knowledge of the material culture), this programme intends to train the second level graduates in archaeological and historical skills.

Academic requirements: Bachelors degree in Classical Archaeology or related fields (e.g., Ancient History, Classics, etc.). Relevant professional experience may be taken into account.

English requirements: CEFR Level B2 (IELTS, TOEFL, Cambridge, Pearson Test of Academic English, Trinity ISE, etc.).

Contacts: infoarcheologia@unitelma.it

MSc Clinical Psychosexology

The MSc in Clinical Psychosexology is based on the demand for specific training by psychologists, who ideally go through three stages of training: a) a three-year Bachelors degree focusing on the theoretical bases of neuroscience and psychological and behavioural sciences; b) a two-year Masters degree providing general clinical skills applied to the psychology and psychopathology of sexual and reproductive behaviour based on gender differences and identities; c) a postgraduate course enabling the exercise of psychotherapy. This Masters programme, for the first time in the Italian university system, trains clinical psychologists and sexologists. Upon graduation students will have acquired specific competences for the management of prominent issues and the construction of the stereotypical image of the feminine and the masculine, from the individual, to the dyad, the family, up to the social macro area. In the public sector, graduates will be able to provide psycho-sexual counselling in the following specific areas: a) Consultors; b)

Medically Assisted Procreation Centres; c) Centres for Psychiatry, Oncology, Gynaecology, Andrology, Endocrinology; d) Outpatient clinics dedicated to STDs; e) Centres for the diagnosis and treatment of gender identity dysphoria; f) Civil and criminal courts (Appraisals); g) Prisons (criminal paraphilias); h) Compulsory and secondary schools (Paid courses on sexuality, feelings and respect for gender and orientation differences).

Academic requirements: Bachelors Degree in Psychology

English requirements: CEFR Level B2 (ESOL, IELTS, TOEFL)

Contacts: chiara.simonelli@uniroma1.it

MSc Cognitive Neuroscience

The MSc in Cognitive Neuroscience provides students with an advanced understanding of the neural correlates in cognitive processes as well as of the relationship between the development of the mind and the brain. The programme aims to train psychologists to identify specific cognitive deficits, evaluate their impact on emotional states and the quality of patient life, and adopt the most appropriate rehabilitative action. Students will conduct supervised research activity and other educational projects in neuropsychology, cognitive psychology, psychobiology and physiological psychology.

Academic requirements: Bachelors degree in Psychology

English requirements: CEFR Level B2 (ESOL, IELTS, TOEFL)

Contacts: lmcognitiveneuroscience@uniroma1.it

MSc Computer Science

The MSc in Computer Science provides students with a general overview of computer science as well as in-depth knowledge on a number of specific emerging application areas. Students may choose from four specific tracks that address fundamental sectors of modern computing: Information Science and Applications (the application of Computer Science to practical issues), Multimedia Computing and Interaction (fundamental methodologies and techniques required for processing and interacting with multimedia content), Networks and Security (technological background necessary to design and manage systems, networking, cryptography and security), and Software Engineering (critical functions and security).

Academic requirements: Bachelors degree in Computer Science or Engineering.

English language requirements: CEFR Level B2, as demonstrated by an official accreditation agency

Contacts: wollan@di.uniroma1.it

MSc Control Engineering

The MSc in Control Engineering introduces students to automatic control systems and focuses on

modelling and identification of dynamic systems; measurement processing and on-line filtering of sensor data; use of feedback to stabilize processes and optimize performance; and integrated design of automatic control systems. Beside the specific technical know-how in Control Engineering, the programme provides tools for understanding the main issues in engineering problems; develops the ability to create, plan, design and run automatic systems/processes; and promotes skills in experimenting scientific innovation.

Academic requirements: Basic knowledge (Bachelors level) in the technical and scientific domains of Systems Theory, Automatic Control, and Automation Engineering (for more details www.diag.uniroma1.it/automatica/uploads/BasicKnowledge.pdf), also verified through a remote (Skype) interview.

English requirements: CEFR Level B2

Contacts: control_engineering.lm25@uniroma1.it, admissions@diag.uniroma1.it

MSc Cybersecurity

The MSc in Cybersecurity provides students with a wide range of competences in the fields of information technology, engineering, management and statistics for high-profile interdisciplinary education. Cybersecurity experts are able to interpret and respond effectively to the challenges of security and privacy in today's cyberspace, as well as to keep updated on the ev-

er-changing frontiers of the field. Through highly specialized theoretical and practical skills, our graduates will be able to manage the security of information in complex computer systems, organize the protection from cyber-attacks, implement the management processes for computer incidents, and manage the recovery of a computer system after an attack. Our graduates also understand the tools necessary to design, develop and test a secure software through advanced methodologies, and to face security-related aspects of information systems in corporate risk-management policies and regulations.

Academic requirements: Bachelors degree covering of all the aspects of computer architectures, databases systems, information technology, programming languages, computer networks, and operating systems.

English requirements: IELTS level B2 certification

Contacts: cybersecurity_info@uniroma1.it

MSc Development and International Cooperation - Economics for Development

The MSc in Development and International Cooperation - Economics for Development provides students with an advanced understanding of a variety of fields (including Sociology, Economics, Political Science, History and Law) and the tools necessary to analyse and interpret the social, economic, juridical and institutional contexts that characterise developing countries.

The programme addresses the evaluation and management of international cooperation programmes from a multidisciplinary perspective in order to train new professional figures who are capable of understanding, assessing and managing new social, cultural and economic challenges.

Academic requirements: During your previous university career you must have taken at least one or two exams in each of the following disciplines: Economics, Law, Social Sciences.

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

English requirements: CEFR Level B2 (we accept one of the following certificates: IELTS, TOEFL, Cambridge, Trinity College or TOEIC). You are exempted from the certificate: If you come from an English-speaking country - If the English language is the official language of your country and/or the medium of instruction of your previous course of study/educational institution.

Contacts: internationalstudentscoris@uniroma1.it; magistralicoris@uniroma1.it

MSc Data Science

The MSc in Data Science Programme is a joint initiative of the i3S Faculty combining the expertise of four departments: Informatics, Computer Science, Information Engineering, Electronics and Telecommunications, and Statistics.

The remarkable increase in the volume and complexity of available data and the new technologies that have been developed to process it require a combined multidisciplinary approach to develop an overall strategy aimed at transforming data into useful information. The MSc in Data Science provides students with a solid and modern preparation for understanding and managing the multi-faceted aspects of the analysis, management and statistical interpretation of data. The Masters programme in Data Science combines all the necessary ingredients for successful learning: a multidisciplinary theoretical background combined with frequent lab activities and a special emphasis on developing a final data-science thesis project. The Masters programme works with companies, public administrations, industrial and public research institutes to create opportunities for internships, stages and final projects based on real-life Data Science problems.

Academic requirements: Students must possess basic knowledge in the following areas:

Mathematics: Differential calculus and integration in one or multiple real variables, basic notions of linear algebra and analytical geometry in Euclidean space; Probability: Random variables, distributions and mean values, basic distributions, convergence of sequences of random variables; Informatics: Programming principles, knowledge of at least one of the following programming languages: C, C++, C#, Java, Py-

thon. The academic background of international students is assessed by a Prospective Student Selection Committee based on the documentation provided by students. The Committee may also verify basic knowledge by requesting the candidate undergo an on-line test, as well as an interview via Skype or other services.

For further information: <http://datascience.i3s.uniroma1.it/it/admission>

English requirements: CEFR Level B2

Contacts: admissiondatascience@diag.uniroma1.it

MSc in Economics

The MSc in Economics provides students with a sound knowledge of economic analysis and quantitative methods for economics. Graduates will be able to interpret economic mechanisms and understand the behaviour and the decision processes of individuals and economic institutions. They will also develop the ability to analyse the operation of markets and forecast the future evolution of economic and financial variables. The interdisciplinarity and international orientation of the programme are among its main strengths. Work opportunities address jobs with a strong emphasis on economic analysis. Typically, graduates embark on career opportunities at policy institutions, international organizations, financial and non-financial corporations, consulting firms, research centres and regulatory authorities.

Academic requirements:

1) Bachelors in Economics or similar with an adequate academic background (90 ECTS overall) in: - Economics (macroeconomics, microeconomics and similar subjects, but excluding business subjects) (minimum 18 ECTS or equivalent credit-hours) - The remaining credits must belong to the following areas: Business, Mathematics and Statistics, Quantitative Analysis (e.g. Computer science, Programming, Econometrics, etc.) and Law. 2) Academic performance as revealed by weighted average mark (cGPA)

English requirements: TOEFL ibt 80; TOEFL pbt 550; TOEIC 730; IELTS 6.0

Contacts: internationalstudents-eco@uniroma1.it

MSc Economics and Communication for Management and Innovation

The MSc in Economics and Communication for Management and Innovation (ECoMI) is a multidisciplinary programme specifically based on the needs of enterprises, as highlighted by Confindustria, the main Italian Association of Entrepreneurs. This course is interfaculty (Faculty of Economics and Faculty of Political Science, Sociology, and Communication Science) and is held in Rome in collaboration with the University of Tuscia. The objective is to train professionals who will be able to meet the multidisciplinary requirements of modern enterprises, extending the traditional curricula

of single-faculty programmes by bringing together economics, computer science and social sciences. The course has double-degree agreements with the MGIMO University in Moscow and with the University of Bucharest.

Academic requirements:

1) First Cycle Degree (EQF Level 6) with adequate academic background (overall 72 ECTS) in the following areas: Business (minimum 18 ECTS or equivalent credit hours), Economics, Mathematics and Statistics, Quantitative Analysis (e.g. Computer science, Programming, Econometrics, etc.) and Law.
2) Academic performance: weighted average mark (cGPA)

English requirements: CEFR Level B2 (TOEFL ibt 80; TOEFL pbt 550; TOEIC 730; IELTS 6.0)

Contacts: internationalstudents-eco@uniroma1.it

MSc Electrical Engineering

The MSc Electrical Engineering provides students with the in-depth knowledge and advanced theoretical, scientific and professional skills required to interpret and describe the complex problems of Electrotechnical Engineering, which may also require an interdisciplinary approach, using innovative methods, tools and techniques. The programme, which focuses on designing, planning and managing complex systems, also addresses problem-solving associated with the safety of plants and the local envi-

ronmental impact of these products. These skills are based on the knowledge acquired with the Bachelors degree, which is extended in terms of methodologies and applications through the two-year Masters programme. This allows graduates to face the most complex problems related to the development, design and management of modern plants, as well as to actively contribute to the innovation and scientific and technological advancement of the sector. The programme is designed to train highly qualified electrical engineers to work both in the field of electrical power systems and electrical machines. The MSc also focuses on renewable energy conversion, electric mobility, smart grids, electrical markets, HV installation and a range of other modern electric technologies. By the end of the programme, students will have acquired all of the necessary skills to either swiftly access the working world or pursue their studies with access to a Doctoral programme.

Academic requirements: Bachelors Degree in Electrical Engineering or equivalent.

Minimum CGPA: 3 out of 4.

English requirements: All applicants whose native language/language of instruction is not are required to provide proof of English proficiency (CEFR Level B2) in the form of TOEFL, IELTS (Academic) or ESOL (CAE or CPE) tests.

Contacts: massimo.pompili@uniroma1.it; ee_admissions@uniroma1.it

MSc Electronics Engineering

The MSc in Electronics Engineering 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 advanced mathematical topics. Other subjects include discrete circuits, machine learning, advanced antennas, electromagnetic scattering, circuit design, embedded systems, nano-electronics, power electronics, optoelectronics, lasers and accelerators, environmental electronics, Earth observation, bioengineering and wireless communication systems. The programme emphasises system-related and interdisciplinary aspects and is closely linked with research and innovation activities. Students may also complete their Masters thesis through an internship.

Academic requirements: Bachelor (BSc) in Electrical Engineering, Electronics Engineering, Information and Communication technology.

English requirements: CEFR Level B2

Contacts: ingegneria_elettronica.lm29@uniroma1.it, nicola.argenti@uniroma1.it, antonio.dalessandro@uniroma1.it, frank.marzano@uniroma1.it

MSc Energy Engineering

The MSc in Energy Engineering addresses design, technologies, advances and the control of com-

plex systems involved in energy generation and conversion, with a focus also on economic feasibility. The programme comprises multi- and inter-disciplinary topics in order to provide students with the flexibility required by the labour market and focuses on electrical issues related to energy conversion, distribution and storage; advanced heat and mass transfer for industrial and residential distribution; mechanical engineering related to turbines, systems and plants; management, design, safety and control issues. All those topics are considered within the framework of energy systems for renewable energy technology, as wind turbines, solar and photovoltaic panels, fuel cells, marine turbines, biomasses, geo-thermal energy systems and of principles, technologies and plants related to nuclear energy. In addition, students are involved in the analysis of energy system integration, especially in relation to energy efficiency and distribution in urban areas and for smart cities.

Academic requirements: Bachelors in Energy Engineering, Mechanical Engineering and Electrical Engineering are preferred. Very good basic and extended knowledge of Mathematics, Physics, Chemistry, Applied Thermodynamics, Electricity and Electrical Devices, Mechanical Engineering and Structural mechanics is required. Only high CGPAs will be considered.

English requirements: Level B2 or higher, certified by IELTS, TOEFL, Cambridge ESOL or equivalent.

Contacts: giampaolo.romano@uniroma1.it

MSc Engineering in Computer Science

The MSc in Engineering in Computer Science trains software specialists in computing, data and information management, system security, pervasive systems, social networks and web science. The programme addresses research, design and development of IT services, products, architectures and systems, and provides the project management and leadership skills that are necessary for a responsible career in engineering.

Academic requirements: Bachelors degree in Computer Engineering, Computer Science, or other degrees with a strong background in Computer Science (the latter will be analysed and approved on a case-by-case basis). Applicants will be interviewed (remotely) during the evaluation process.

English requirements: CEFR Level B2

Contacts: admissions@diag.uniroma1.it

MA English and Anglo-American Studies

The English and Anglo-American Studies MA programme at the Faculty of Humanities provides a high specialisation, focusing on the language, literature and culture of the Anglophone world, as well as translation. Additional core/subsidiary subjects include Art, Fashion, Linguistics, Philosophy, Italian, Computing for the Humanities and New World Cultures. Admission is based on possession of entry require-

ments 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.

Academic requirements: Bachelors in Language and Literature. Admissions Interview.

English and Italian language requirements: CEFR Level C1 - Italian language requirements: B1 level, when lessons begin.

Contacts: Bendetta Panciroli (didactic secretary) benedetta.panciroli@uniroma1.it; Iolanda Plescia and Irene Ranzato (enrolment) iolanda.plescia@uniroma1.it; irene.ranzato@uniroma1.it

MSc European Studies

The MSc in European Studies trains high-profile professionals to work in the increasingly global international economic and law context that is being driven by European integration. The programme provides students with advanced knowledge and skills on the methodologies, cultural aspects and professional requirements that will enable them to develop original solutions to juridical, economic, social and historical issues that are emerging on the new European and international scenarios. The programme provides students with two different tracks: "EU Law and Economics" and "Comparative and European Law."

Academic requirements: Bachelors in Economics, Law, Political Sciences and similar degrees

English requirements: CEFR Level B2 (IELTS 6.5) or equivalent

Contacts: europeanstudies.sapienza@gmail.com

MA Fashion Studies

The MA in Fashion Studies prepares students for high-level responsibilities in the fashion industry, as well as in related fields (figurative arts, communications and entertainment). Students acquire knowledge related to the development of the fashion industry with special attention to cultural, symbolic and economic/financial factors, as well as the entrepreneurial and management skills necessary to work in the field. In particular, the programme focuses on specific competences to design, develop, manage, and assess projects; tools to analyse the human, historical and cultural influences in the production, use and commercialization of clothing; communications skills, linguistic and technological media, knowledge acquisition and transmission systems; and industry history and clothing trends.

Academic requirements: Bachelors degree in the fields of Fashion, Arts and Performing Arts, Architecture, Music, History, Media and Communication, Sociology and Economics and Marketing, Textile Engineering. Evaluation will be based on the final grade of the Bachelors

Degree, CV and the portfolio of skills and activities in the field of Fashion Studies.

English requirements: CEFR Level B2 (IELTS, TOEFL, Cambridge, Trinity College or TOEIC)

Contacts: masterfashionstudies@uniroma1.it

MSc Finance and Insurance – Financial risk and data analysis (subject to final approval)

This programme is designed to provide students with a wide range of advanced quantitative and programming tools, together with technical instruments and a sound knowledge of the complex regulatory system that governs financial markets. Graduates will have all the skills required to start a successful career in financial institutions or major corporations. A special focus is placed on the analysis of data and on the analysis and management of risk, as well as on the application and development of appropriate models to address the many complex challenges of financial activities.

Academic requirements:

1) Bachelors degree in Economics, Business Administration with an 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.) and Law.

2) Academic performance: weighted average mark

English requirements: CEFR Level B2

Contacts: internationalstudents-eco@uniroma1.it

MSc Genetics and Molecular Biology

The MSc in Genetics and Molecular Biology, which prepares students to manage bio-molecular research (basic/applied for biomedicine), addresses uni- and multi-cellular organisms as model systems for the study of the basic mechanisms of gene expression or more complex processes such as cellular development, differentiation and transformation; gene studies related to complex processes and human populations; processes involved in the regulation of the structure and function of nucleic acids and proteins; manipulation of biological macromolecules; biomedical and biotechnological research; genetic and molecular concepts applied to the diagnosis and cure of genetic diseases; biological processes underlying the basic physiopathology of organs and systems and their modulation, especially in mankind.

Academic requirements: Bachelors degree in Biological Sciences

English requirements: CEFR Level B2

Contacts: isabella.saggio@uniroma1.it

MSc Health Economics

The MSc in Health Economics provides a multidisciplinary preparation in the field of health economics, health law, business management

of public or private firms operating in the health industry, and tools for quantitative and qualitative analysis of economic policy decisions in this sector. The Masters programme allows students to learn how to manage relations with government institutions and to how to manage the entire business processes for the delivery of health goods and services. Graduates will be able to hold top positions in direct support of the Director General, Administrative Director and top management of public and private health and healthcare companies at national and international organizations and institutions dealing with health policy, and in public and private research institutions. The programme also includes internships with private and public institutions, and international organisations working in the field of public health, as well as seminars and laboratories, to help students gain practical experience.

Academic requirements: Bachelors in Economics or equivalent degree – with an adequate academic background and at least 90 ECTS in the following areas: Economics (Minimum 18 ECTS or equivalent credit hours), Mathematics, Statistics, Quantitative Analysis (e.g. Computer science, Programming, Econometrics, etc.), Business, Law and Public Health.

English requirements: Equivalent B2 (i.e. TOEFL ibt 80; TOEFL pbt 550; TOEIC 730; IELTS 6.0)

Contacts: laura.nitti@uniroma1.it; internationalstudents-eco@uniroma1.it

MSc Mechanical Engineering

The MSc in Mechanical Engineering, which is based on advanced knowledge of Maths and Physics, focuses on research and development design processes and the identification of innovative technical solutions. The programme is designed to provide young engineers with advanced university education on R&D design processes and the development of innovative technical solutions through an interdisciplinary and problem-solving approach. Students will also take advanced courses addressing turbo-machinery design, thermodynamics cycles for energy power plants and renewable energy systems, advanced mechanical design, production systems and operations management.

Academic requirements: Bachelors in Mechanical Engineering with final score > 75/100

English requirements: Certification of IELTS > 6 or equivalent

Contacts: mechanicalengineering@uniroma1.it

MSc Nanotechnology Engineering

The MSc in Nanotechnology Engineering programme addresses multi- and inter-disciplinary subjects to provide students with the flexibility required to understand, design and handle the architecture, development and control of complex systems at both the micro- and nano-scale. Students will be introduced to the basic tools necessary to master systems operating at the nanoscale

to conceive, design and characterise micro- and nano-devices. The course is highly interdisciplinary, involving nanoscale physics, advanced chemistry and microscopy in combination with courses and laboratories devoted to the design of micro- and nano-devices for different applications in industry, biotechnology and nano-electronics.

Academic requirements: Bachelors degree in the various fields of Industrial Engineering and Computer Science Engineering.

English requirements: CEFR Level B2 (IELTS, TOEFL, Cambridge, Trinity College or TOEIC, or similar certificates).

Contacts: ingegneria_nanotecnologie.lm53@uniroma1.it

MSc in Physics

The MSc in Physics currently provides two different tracks in English: Particle and Astroparticle Physics (PAP) and Condensed Matter Physics (CMP). PAP courses span the full spectrum of experimental, theoretical, and applied particle and astroparticle physics, from high-energy colliders to neutrino physics, from gravitational waves to the search for dark matter, including high-performance computing and medical physics. Research theses are performed within the framework of collaboration agreements involving CERN and other major international facilities and universities. The CMP track offers a wide variety of theoretical and experimental

courses. They span the full spectrum of condensed matter physics, including solid-state and soft-matter physics, quantum optics, quantum computation and information, and complexity theory. Research theses are performed within the many theoretical and experimental groups present in the Department of Physics as well as in groups working in national and international research institutions and universities.

Academic requirements: BSc in Physics with very-good/excellent marks. A good knowledge of modern physics, including special relativity, quantum mechanics, statistical mechanics, atomic physics,

nuclear and subnuclear physics and quantum optics (at an introductory level) is required. The BSc programme includes extensive lab work and computational courses (some programming experience is required).

English requirements: CEFR Level B2

Contacts: segreteriaDidatticaFisica@uniroma1.it

MSc in Product Design

The MSc in Product Design is a studio-based programme for students who wish to hone their innovative abilities, who are interested in the integration of design, technology, cultures and business, and who wish to address the creative challenges of making objects and ideas that improve people's lives. Candidates are expected to design extensively, think creatively and reflect

critically. The Masters lasts 4 semesters (2 years). The first semester is dedicated to improving critical capacity and understanding of the different disciplines that contribute to the skills of a Product Designer. The second semester is dedicated to developing an advanced design method ranging from Design Thinking to Design Prototypes. The third semester allows students to pursue a personalized design by choosing two of the four Design Studios on Systemic Design, Design for Interaction, Design for Materials and Language Design. The final semester is dedicated to the final thesis with students participating in an internship in the R&D of national and international Companies or at foreign universities and research centres. Students pursue their interests in the field of Design by carrying out educational activities (Elective Courses) or extra-didactic (Further Learning) by choosing from the network of International Courses and Research Laboratories at Sapienza and at foreign universities with open collaborations (such as the Erasmus Programme and International Agreements). Our programme was selected as one of the top-50 European Design Schools and included in the catalogue published by the Journal "Domus".

Academic requirements: Bachelors degree in the field of Design, Architecture, Industrial Engineering, Computer Science Engineering

English requirements: CEFR Level B2 (IELTS, TOEFL, Cambridge, Trinity College or TOEIC)

Contacts: segreteriaDidatticaFisica@uniroma1.it

MSc Science and Technology for the Conservation of Cultural Heritage

The MSc in Science and Technology for the Conservation of Cultural Heritage trains experts in Archaeometry and Conservation Science. The programme focuses on the multi-analytical characterization of a wide range of materials related to archaeology and cultural heritage, as well as scientific methods and advanced technologies in the study of conservation of cultural heritage. In particular, the programme addresses the ability to work in a research area with a strong multidisciplinary nature; analytical techniques, scientific methods of investigation and data interpretation for the recovery and conservation of cultural heritage; analysis of the interaction between cultural heritage and the chemical-physical environment; archaeometric applications.

Academic requirements: Bachelors degree in a relevant discipline. Basic knowledge of mathematical, physical and natural sciences, of the constituent and/or employed materials in cultural heritage, of humanistic and economic disciplines (museology, history of restoration and techniques of artistic production, legislation and economics of cultural heritage and activities), and information technology is required.

English requirements: CEFR Level B2

Contacts: scienzebc@uniroma1.it

MSc Space and Astronautical Engineering

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

Academic requirements: Bachelors in Engineering (preferably Aerospace, Aeronautical, or Mechanical Engineering)

English requirements: CEFR Level B2 (IELTS 6.5 or equivalent)

Contacts: aerospaceengineering@uniroma1.it

MSc Statistical Methods and Applications

Data management and analysis (i.e. Statistics) is fundamental to any professional activity. The MSc in Statistical Methods and Applications provides students with outstanding insight into the data management process, including data collection, analysis, and interpretation, as well as related decision-making processes, with a focus on Big Data analysis and its applications. Starting from initial training in Statistics, Probability and Computing, students then choose one of the following tracks: Data Analysis, Official Statistics, Quantitative Economics. The programme prepares professionals for careers in consulting companies, industry and State agencies, as well as candidates for PhD programmes in Statistics, quantitative Economics, Data science.

Academic requirements: A Bachelors 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 students (see below). The Committee may also request an interview with the prospective student via Skype or other services.

English requirements: CEFR Level B2 (IELTS, TOEFL, or equivalent). The applicant's knowledge of English will be tested during the preliminary remote (Skype) interview.

Contacts: annalisa.cirinna@uniroma1.it; g.georganopoulou@gmail.com

MSc Transport Systems Engineering

The MSc in Transport Systems Engineering allows students to perform and manage a wide range of activities related to planning, programming, operating and monitoring transport systems and their components. In particular, the programme focuses on optimising infrastructure and services for transport; the design of transportation systems and their components, such as infrastructure, services, vehicles, terminals and plants; model vehicular flows on multi-modal networks to improve the mobility of people and goods; demand and supply interaction and equilibrium calculation; design of on-line and off-line models for transports system operation and management; and monitoring mobility solutions from a technical, economic and environmental point of view.

Academic requirements: Bachelors degree in Engineering or equivalent.

English requirements: CEFR Level B2

Contacts: Prof. Stefano Ricci, Chair of Transport Systems Engineering Education Area stefano.ricci@uniroma1.it; Dr. Natalia Isaenko, International Students Adviser natalia.isaenko@uniroma1.it

Medicine and Surgery

6-year M.D. programme

Medicine has been taught at Sapienza since the founding of the university in 1303. The aim of the programme is to educate students to the highest standards of medical practice, train specialised clinicians in patient-centred medicine and tackle crucial issues concerning the mechanisms, prevention and treatment of disease. Sapienza places a strong emphasis on developing clinical skills throughout the course of the programme and teaching often takes place in one of Sapienza's three specialist hospitals: Policlinico Umberto I, Sant'Andrea and Latina. Classes are smaller than most medical schools to allow greater professor-student interaction and foster student self-evaluation, independent thinking and investigation.

Academic requirements: Admissions test IMAT (once a year)

English requirements: Verified by admissions test

Contacts: Secretary of the degree programme: anja.berger@uniroma1.it/Admissions office for international students: settoretitolostraniero@uniroma1.it

Erasmus Mundus Joint Master Degrees (EMJMD)

EMJMDs are prestigious, integrated, international study programmes, jointly delivered by an international consortium of higher educa-

tion institutions. Sapienza currently offers 3 EMJMDs:

- **ALA - Architecture Landscape Archaeology** - www.masterala.eu
National Technical University of Athens (GR), University of Coimbra (PT), University of Naples Federico II (IT)
- **ARCHMAT - Archaeological Materials Science** - www.erasmusmundus-archmat.uevora.pt
University of Évora (PT), Aristotle University of Thessaloniki (GR)
- **STEPS - Sustainable Transportation and Electrical Power Systems** - www.emmc-steps.eu
University of Oviedo (ES), University of Nottingham (UK), Polytechnic Institute of Coimbra (PT)

Applications for Erasmus Mundus Joint Master Degrees have different procedures, deadlines and fees and must be submitted directly through the project's website.





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FEES AND SCHOLARSHIPS

Tuition fees at Sapienza are particularly convenient for international students thanks to public investments by the Italian Ministry of Higher Education. The annual cost for all Bachelors and Masters programmes is €1000 (only tuition fees). Additionally, there are various scholarships available at different levels, awarded on the basis of academic merit and/or family income:

- National scholarships – managed by the Italian Ministry of Foreign Affairs and International Cooperation (“Invest Your Talent in Italy” and “Study in Italy” grants)
- Regional scholarships – “LazioDISCO scholarship”, managed by the regional government of Lazio
- University scholarship: “Don’t Miss Your Chance”, managed directly by Sapienza University

Please note that all of the above scholarships require a separate application – for further information: www.uniroma1.it/en/pagina/scholarships

Once you become a Sapienza student, you can also apply for a wide range of merit-based scholarships (Erasmus+, on-campus jobs, etc.).



LIFE IN ROME

Sapienza is located in the heart of **Rome, the capital of Italy**. Rome is a city of a **mesmerizing beauty**, with a long history, a vibrant life style and the highest concentration of historical and architectural riches in the world. **Over 16% of the world's cultural treasures are located in Rome (70% in Italy)**. As a part of Europe, Italy allows international students to travel and study across the Schengen Area, which includes 26 countries.

The average costs for shared accommodation in Rome, which is the option most students choose, range from €300 to €600 per month, while living expenses for books, food, transportation and utilities are roughly €300 a month. Much of course depends on your lifestyle, but overall monthly expenses are in the € 600-900 range for most students. For further information on living in Rome, you can visit www.uniroma1.it/en/pagina/study-sapienza and <https://www.turismoroma.it/en>.

CONTACTS

For general information, you can write to recruitment@uniroma1.it

For enquires about a specific programme, please see the contacts details in the programmes section.



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