



**SAPIENZA**  
UNIVERSITÀ DI ROMA

Academic year 2018-2019

Admission procedures for the Masters Degree Programme  
with verification of requirements and of personal preparation in:

**Actuary and finance – Scienze attuariali e finanziarie**

**Faculty of Information Engineering, Informatics and Statistics**

Class: LM-83; code to be indicated on Infostud: 29941

## **Admission requirements**

Admission to the masters degree programme is open to students with a bachelors degree (or equivalent) and who achieved an adequate number of Credits in appropriate academic disciplines (SSD) of the L-41 class (Statistics degree class). For the purposes of admission, candidates must meet the four Requirements below:

1. hold a 3-year degree or university diploma, or other eligible educational qualifications gained abroad;
2. Have at least 60 Credits (ECTS/CFU) in the set of Academic Disciplines (SSD) of the areas of the Italian National University Council below:
  - Area 01 (Mathematics and Computer Science): INF/01, MAT/\*;
  - Area 02 (Physics): FIS/01, FIS/02, FIS/07;
  - Area 09 (Industrial and Information Technology Engineering): ING-IND/35, ING-INF/05;
  - Area 10 (Law): IUS/01, IUS/05, IUS/09;
  - Area 13 (Economics and Statistics): SECS-P/\*, SECS-S/\*;
3. Basic knowledge of Mathematics, Probability, Statistics and Mathematical Finance. In particular:
  - Mathematics: differential and integral calculus for functions of one or more real variable; elements of linear algebra and analytic geometry in the plane and in the space;
  - Probability: random variables, distributions of expected values; main parametric families of random variables distributions; convergence for successions of random variables;
  - Statistics: Elements of descriptive statistics, simple and multiple distributions and their main synthetic indicators (mode, median and mean, indicators of heterogeneity and variability, dependence and correlation indicators), elements of inferential statistics, point estimation and set estimation, tests, linear regression model.



- Mathematical Science: adequate basic knowledge, particularly of the concepts of monetary intertemporal value, financial activities assessment under certainty, the role of financial indicators;
  - Actuarial Mathematics: aleatory financial transactions: preferability indices, mean-variance model, expected utility criterion; damage and life insurances; actuarial mathematics for damage and life insurances: types of insurance, technical basis, probabilistic models, premium calculation, technical reserves evaluation, profit formation and evaluation
4. B1 or higher level of English language knowledge  
The knowledge required for admission shall be obligatorily verified with the methods laid down in the Degree Programme Educational Regulation.
- Candidates who meet Requirements 1 and 2 and who submit an adequate certificate for Requirement 4, will have Requirement 3 verified by a Selection Board appointed by the competent educational unit.
- The Selection Board automatically approves the admission of students who meet Requirement 4 and graduates of a Class LM-41 degree programme (Statistics Class) or of degree programmes treated as equivalent (Class 37 degree in accordance with DM 509/99 and the corresponding degree of the old academic system).
- The other candidates who meet Requirements 1 and 2 may be called for an interview to have Requirement 3 and/or Requirement 4 verified if an adequate certificate has not been submitted. Based on the curriculum assessment and on the results of a possible interview, when necessary, the aforementioned Selection Board, may identify specific study plans that, in accordance with the table of educational activities of the present masters degree programme, include subjects of exams that have not been taken and that are considered essential for students' training.

## Operating procedures

### Printing the payment slip

The application for the verification of requirements must be printed from the computerized system, Infostud, following the procedures described at <https://www.uniroma1.it/it/pagina/infostud>

The system will create a payment slip of the amount of €10 that is, at the same time, application, self-certification of personal details and privacy consent form, the payment for it must be made within one of the dates indicated below:

14 September 2018, 15 October 2018, 14 November 2018, 14 December 2018, 14 January 2019 (date only for graduand students and for Sapienza University of Rome graduates).

The payment must be made at an Italian Unicredit branch.

The results of the applications assessment will be sent at the institutional e-mail account (if activated) or at the e-mail address given on Infostud.

### Students coming from other Universities

Before making the payment, students from other Universities must register following the procedure described on the same webpage, and submit to the Educational Affairs Office, within the same application deadlines prescribed for the verification of requirements, a self-certification of the educational qualification held, specifying the degree programme's Class, the exams taken and the corresponding Academic Disciplines (SSD) for each subject, and a copy of the proof of payment for the €10 payment slip and a valid identification document. Failure to submit the student's declaration of previous study plan or a negative result in the verification of curricular requirements leads to not being allowed to enrol in the degree programme.

Educational Affairs Office address and opening hours:

Statistics Department Educational Affairs Office



Piazzale Aldo Moro, 5

Statistics Building

III Floor, Room 28

Opening hours:

- From Monday to Friday, from 9.00 to 11.00

- Tuesday and Thursday, from 14.30 to 15.30

E-mail: [didattica\\_dss@uniroma1.it](mailto:didattica_dss@uniroma1.it)

The Educational Affairs Office will be closed in August.

### **Students with the invitation letter**

Before making the payment, students coming from Universities abroad must register following the procedure described on the webpage and must go to the Office for Students with a Foreign Qualification to complete the enrolment process providing these documents: passport, student visa (for non-EU citizens resident abroad), an uncertified copy of the Upper Secondary School diploma translated in Italian, legalised and with declaration of value, uncertified copy of the academic degree translated and legalised with declaration of value, uncertified copy of the exams list certificate (translated in Italian, if for a degree programme in Italian) to attest the exams taken, translated and legalised, a copy of each subject's detailed program, specifying the number of hours for theoretical and practical educational activities prescribed for obtaining the qualification (translated in Italian if the masters degree programme is in Italian), the proof of payment of the €10 payment slip for the verification of requirements.

### **Students without the invitation letter**

Before making the payment, students from Universities abroad, must register following the procedure described on the webpage and send an e-mail to [studentistranieri@uniroma1.it](mailto:studentistranieri@uniroma1.it) attaching a copy of their passport, student visa (for non-EU citizens resident abroad), exams list certificate (translated in Italian, if for a degree programme in Italian), the academic qualification with declaration of value, the detailed programs for each subject, specifying the number of hours for theoretical and practical educational activities prescribed for obtaining the qualification, the proof of payment of the €10 payment slip for the verification of requirements. The Office for Students with a Foreign qualification will then be in charge of sending the documents to the Representative of the Faculty concerned.

### **Graduand students**

If laid down in the degree programme Regulation, students from Sapienza University of Rome or from other Italian Universities who have not yet graduated, without prejudice to the obligation to gain their degree within 18 January 2019 (for Sapienza University students) and within 21 December 2018 (for students from other Italian Universities), will also be allowed to apply for the verification of requirements.

### **Single exams to fulfill requirements**

Graduates and graduand students from Sapienza University of Rome and from other Italian Universities who want to enrol in a masters degree programme of the D.M. 270/04 academic system at Sapienza University of Rome and who do not meet the related curricular requirements, may register for single courses before enrolling in the masters degree programme with a 75% price reduction for each single course. Any possible exam taken cannot be part of the bachelors degree, is not taken into account to calculate the average grade, and cannot be used for applying for a shortened degree, but is only added to the student's study plan for the above-mentioned purposes. Enrolment procedures for single courses are described in Article 41 of the Manifesto ("Manifesto generale degli studi").

**Additional indications**

Procedures following the requirements verification are indicated in Article 8 of the Manifesto ("Manifesto Generale degli studi") published on the University website  
<https://www.uniroma1.it/it/pagina-strutturale/studenti>