



SAPIENZA
UNIVERSITÀ DI ROMA

2019-2020 Academic Year

Admission procedures for the Master's Degree Programme
with assessment of requisites and personal skills in:

Actuarial and financial sciences

**Faculty of Information Engineering, Computer Science and
Statistics**

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

Admission requirements

To be admitted to the master's degree programme in Actuarial and financial sciences, students must hold the bachelor's degree (or equivalent) and must have acquired a sufficient number of ECTS in the suitable scientific disciplinary sectors of basic and core fields of L-41 class (Statistics). To be admitted, students must be in possession of the following four Requisites:

1. a bachelor's degree, a three-year academic diploma or any other suitable title of study got abroad;
2. at least 60 ECTS in the overall scientific disciplinary sectors of the following areas of the National University Council:
 - Area 01 (Mathematics and computer science): INF/01 and MAT/*;
 - Area 02 (Physical sciences): FIS/01, FIS/02 and FIS/07;
 - Area 09 (Industrial and information engineering): ING-IND/35 and ING-INF/05;
 - Area 10 (Juridical sciences): IUS/01, IUS/05 and IUS/09;
 - Area 13 (Economic and statistical sciences): SECS-P/* and SECS-S/*;
3. suitable knowledge of mathematics, probability, statistics, financial mathematics and actuarial mathematics. In particular:
 - mathematics: differential and integral calculus for functions of one or more real variables; basics of linear algebra and analytic geometry in a plane or space;
 - probability: aleatory variables, distributions and expected values; main parametric families of distributions of aleatory variables; convergence in successions of aleatory variables;
 - statistics: basics of descriptive statistics; simple and multiple distributions and their main synthetic indicators (mode, median and mean, heterogeneity and variability indicators, dependence and correlation indicators); elements of inferential statistics; point estimation and set estimation methods; tests; linear regression model;



- financial mathematics: suitable basic skills, in particular the notions of intertemporal value of money, the assessment of financial activities in conditions of uncertainty, the role of financial indicators;

- actuarial mathematics: aleatory financial operations: preferability indexes, mean-variance models, criterion of the expected utility; insurance against damages and life insurance; actuarial mathematics of insurance against damages and actuarial mathematics of life insurance: insurance methods, technical bases, probabilistic models, calculus of premia, assessment of technical reserves, profit creation and assessment.

4. English language skills at B-1 level or higher.

The students' possession of the knowledge required for admission is subject to mandatory assessment, whose procedures are indicated in Section A3.b, in compliance with the Educational regulations of the study programme.

The rules to be admitted to the study programme are established so as to meet both of the two following requirements:

- candidates holding a degree of the L-41 class (Statistics) or equivalent (degree in L-37 class pursuant to Ministerial Decree no. 509/99 and corresponding degrees of the old academic system) are automatically admitted;

- also candidates holding a degree of a class other than L-41 class, typically in a mathematics and/or economics field, may be admitted, in order to promote also an interdisciplinary education.

The students' possession of the knowledge required for admission is subject to mandatory assessment, whose procedures are indicated in Section A3.b, in compliance with the Educational regulations of the study programme.

For further information on the admission procedures, reference should be made to the Educational regulations of the study programme.

As to candidates in possession of Requisites 1 and 2 indicated in the previous section of this document, who submit a suitable certification relating to Requisite 4, their possession of Requisite 3 will be verified by a committee appointed by the relating Programme Area Council.

The committee will automatically approve the admission to the master's degree programme in Actuarial and financial sciences of students in possession of Requisite 4 and holding a degree in the LM-41 class (Statistics) or equivalent (degree in L-37 class pursuant to Ministerial Decree no. 509/99 and corresponding degrees of the old academic system).

The committee may require from the other students who are in possession of Requisites 1 and 2 to undergo an interview to have assessed the knowledge indicated in Requisite 3 and, in lack of a suitable language certification, in Requisite 4.

According to the assessment of the students' academic career and the result of the interview, if any, the committee may formulate for them some special curricula which include courses deemed as essential to the students' education and not attended yet, in compliance with the schedule of the educational activities of this study programme.

Admission procedures

How to print the paying-in slip

The application form for the assessment of requisites must be printed from Infostud according to the procedures described at <https://www.uniroma1.it/it/pagina/infostud>.

Such form, of the amount of € 10, is at the same time application, self-certification of personal data and privacy disclaimer and shall be paid within the following deadlines, at students' choice:

September 13, 2019, October 14, 2019, November 13, 2019, December 13, 2019, January 13, 2020 (date reserved to Sapienza graduands and graduates).

Payments shall be made at any Italian Unicredit branch.



The result of such requisite assessment will be communicated to the institutional email address (if available) or to the email address provided on Infostud.

Students coming from other Universities

Students coming from other Universities shall enrol with the same procedure described at <https://www.uniroma1.it/it/pagina/infostud>, before making payment, and submit to the Educational Affairs Office of the study programme a self-certification of the degree achieved with the list of the exams taken and of the scientific disciplinary sectors corresponding to the courses, a copy of the € 10 payment receipt and a copy of the identity document, within the same deadline provided for the application for requisite assessment. Failure to submit the statement of the candidates' study plan or to be successful in the requisite assessment will impair enrolment in that specific study programme.

Address and opening hours of the Educational Affairs Office:

Educational Affairs Office of the Department of Statistical sciences
Piazzale Aldo Moro no. 5
Building of Statistical sciences
III floor, room 28

Opening hours:

- Monday to Friday: 9.00 a.m. – 11:00 a.m.
- Tuesday and Thursday: 2.30 p.m. – 3:30 p.m.

Email: didattica_dss@uniroma1.it

The office will be closed in August.

Students holding a pre-admission letter

Students coming from foreign universities shall enrol with the same procedure described at <https://www.uniroma1.it/it/pagina/infostud>, before making payment, and shall submit to Hello Help Desk - Foreign students the following documentation:

- original and copy of the identity document;
- original and copy of the student visa (in case of non-EU citizens residing abroad);
- original and copy of the residence permit (in case of non-EU citizens legally residing in Italy);
- original and copy of upper secondary school diploma translated into Italian, legalised and accompanied by a declaration of value;
- original and copy of the degree translated, legalised and accompanied by a declaration of value;
- original and copy of the certificate of exams passed translated and legalised;
- receipt of the € 10 payment for the requisite assessment.

Students without a pre-admission letter

Students coming from foreign universities shall enrol with the same procedure described at <https://www.uniroma1.it/it/pagina/infostud>, before making payment, and shall send an email to studentistranieri@uniroma1.it by attaching:

- passport;
- student visa (in case of non-EU citizens permanently residing abroad);
- residence permit (in case of non-EU citizens legally residing in Italy);
- the upper secondary school diploma translated, legalised and accompanied by a declaration of value;
- the degree translated, legalised and accompanied by a declaration of value;



- the certificate of the exams passed translated and legalised;
- a detailed list of the courses per each discipline, with the indication of the hours of technical and practical educational activities provided for the achievement of the degree or of the Diploma Supplement;
- the payment receipt of € 10 to be paid for the assessment of requisites.

The Hello Help Desk - Foreign students will forward the documentation to the person in charge of the competent Faculty.

Once requisites have been assessed, the above documents shall be submitted in original and in copy to make payment of the tuition fees.

Graduands

Should the Educational regulations of the study programme provide for it, also Sapienza students or students coming from other Italian Universities who have not graduated yet will be allowed to require the requisite assessment, provided that they will achieve the degree within January 17, 2020 (for Sapienza students) and within December 20, 2019 (for students coming from other Italian Universities).

Single exams for the attainment of requisites

Graduated students and graduands coming from Sapienza or other Italian Universities who intend to enrol in a Sapienza master's degree programme pursuant to former Ministerial Decree no. 270/04 and who are not provided with all the curricular requisites provided, may enrol in single programmes before enrolling in the master's degree programmes by benefitting from a 75% reduction on the cost of each single programme. The exams taken, if any, will not be included in the first year programme, will not be included in the average calculation of exams and will not be used in case of programme shortening applications, but may be only added up to the student's career for the above mentioned purposes. The procedures to enrol in single programmes are described in art. 41 of the University Programme Manifesto.

Further information

The admission procedures provided after requisite assessment are indicated in art. 8 of the University Programme Manifesto published at <https://www.uniroma1.it/it/pagina-strutturale/studenti>.