



Academic year 2020-2021

Admission procedures for the Master's Degree Programme
with verification of requirements and of personal preparation in:

Nanotechnology Engineering

Ingegneria delle nanotecnologie

Interfaculty (Civil and Industrial Engineering – Information Engineering, Informatics and Statistics)

Class: LM-53; code to insert on Infostud: 30429

Admission requirements

In order to successfully attend the master's degree programme in Nanotechnology Engineering, an adequate knowledge of the general scientific methods and contents related to the fundamental scientific disciplines, including physical and chemical sciences and other disciplines related to engineering, is strongly recommended. Indeed, such disciplines are considered propaedeutic to the specific teachings envisaged by the Study Programme Regulation (LM-53 – Science and engineering of materials) to which the master's degree in Nanotechnology Engineering belongs. These knowledge are normally acquired attending a three-year bachelor's degree in Industrial Engineering or in Electronic and Telecommunication Engineering (degree codes L-7, L-8 and L-9). Alternatively, the competences related to the fundamental scientific disciplines can be achieved attending a first cycle degree in Physical and Technological Sciences (degree code L-30) or Chemical and Technological Sciences (degree code L-27). However, the knowledge acquired with the last two types of degree will have to be integrated with specific skills in engineering disciplines.

According to the different types of degree, the required knowledge for access to the Master's Degree in Nanotechnology Engineering are summarized in terms of university credits (ECTS/CFU) according to the following scheme:

1. First Cycle Degree in ENGINEERING (class L-7, L-8; L-9).

At least 85 credits (ECTS/CFU) are required in the Academic Disciplines (SSD) listed in the following scheme:

- At least 27 ECTS/CFU in the following SSD: CHIM/03; FIS/01; FIS/03; MAT/02; MAT/03; MAT/05; MAT/06; MAT/07.

- At least 58 ECTS/CFU in the following SSD: CHIM/02; CHIM/07; FIS/07; INF/01; ING-IND/03; ING-IND/04; ING-IND/06; ING-IND/07; ING-IND/08; ING-IND/09; ING-IND/10; ING-IND/11; ING-IND/12; ING-IND/13; ING-IND/14; ING-IND/21; ING-IND/22; ING-IND/24; ING-IND/25; ING-IND/26; ING-IND/27; ING-IND/31; ING-IND/32; ING-IND/33; ING-IND/34; ICAR/08; ING-INF/01; ING-INF/02; ING-INF/03; ING-INF/04; ING-INF/06; ING-INF/07; ; MAT/08; MAT/09.

2. First Cycle Degree in PHYSICAL AND TECHNOLOGICAL SCIENCES (class L-30) and CHEMICAL AND TECHNOLOGICAL SCIENCES (class L-27).

Candidates must have achieved at least 24 Credits (ECTS/CFU) in the Engineering Academic Disciplines below:

- At least 6 ECTS/CFU in the Academic Discipline SSD ING-IND/31
- At least 6 ECTS/CFU in the Academic Discipline SSD ING-IND/13
- At least 6 ECTS/CFU in the Academic Discipline SSD ICAR/08
- At least 6 ECTS/CFU in the Academic Discipline ING-IND/06, or ING-INF/04, or ING-IND/25.

3. Other types of Degrees

For candidates who have obtained a degree from a foreign University, or who have an Old Academic System degree, requirements are reported in the Degree Students Regulation. In order to ascertain that the candidates have the basic knowledge required to be trained as a Nanotechnologies engineers, the Area Committee verifies that candidates meet the admission requirements through the evaluation of their academic curricula. Considering the international context in which Nanotechnology Engineers are going to operate and considering that some of the subjects of the degree are taught in English, a B2 level of the CEF (Common European Framework) in English writing and speaking is mandatory.

Personal preparation adequacy verification

Admission is subject to the verification of students' personal preparation based on the average of the grades achieved in the exams of their previous degree programme. An average grade of 23/30 is considered enough for admission. If the aforementioned requirement is not met, the personal preparation verification will be carried out with a specific admission test.

English proficiency

All candidates are required to have a good knowledge of English, corresponding to level B2 of the CEF (Common European Framework). An assessment of English proficiency for the required level is expected.

Admission test

If the admission criteria listed above are not met, you may be asked to take a written and/or oral admission test on topics characterising the basic aspects of engineering. The admission test syllabus, modalities, and calendar will be published on the Area Committee website. The admission test may give as a result a pass or a fail. If the result is a fail, enrolment will not be allowed.

Previously acquired credits (ECTS/CFU) can be recognized if they have been acquired through the attendance of courses consistent with one of the study plans foreseen by the master's degree programme. To have the credits recognized, documentary evidence of the courses' syllabuses must be provided. If an equivalence between Scientific Disciplinary Sectors (SSD) – based on the topics of teaching and in compliance with the master's degree programme regulations – is acknowledged, the CAD can proceed with the attribution of the corresponding number of credits.

Previously acquired credits related to teachings that are considered equivalent to those offered by the master's degree programme can be recognized with the denominations foreseen by the master's degree in which the student wants to enroll. In such circumstance, the CAD may approve the recognition with the following modalities:

- if the number of ECTS/CFU is the same for both courses, the recognition will be approved directly;
- if the number of ECTS/CFU of the two courses is different, the CAD will examine the student's curriculum and, if necessary, after additional interviews with the student, will assign credits.

The CAD may also recognize as credits any competences and professional abilities certified in accordance with the current legislation, including competences and abilities acquired through second-cycle learning activities in which the University has been involved. These credits can be acknowledged either as free-choice credits (up to 12 ECTS/CFU) or as optional exams. In any case, a maximum of 18 credits can be recognized in this area. Any activities already acknowledged as ECTS/CFU in another degree programme cannot be recognized anew by the master's degree in Nanotechnology Engineering.

Operating procedures

Printing the payment slip

The application for the verification of requirements must be printed from the Infostud information system following the procedures described at <https://www.uniroma1.it/it/pagina/infostud>. The system will produce a payment slip of the amount of €10 which is, at the same time, application, self-certification of personal data and privacy consent form; the payment must be made within one of the following dates at the student's choice: 14 September 2020, 14 October 2020, 13 November 2020, 14 December 2020, 13 January 2021 (date reserved for Sapienza graduand students and graduates). Payment must be made at the bank counters of the Unicredit circuit, on the national territory. The results of the application assessment will be communicated on the institutional e-mail account (if activated) or on the e-mail address declared on the Infostud platform.

Students coming from other Italian universities

Students coming from other Italian universities, before making the payment, must register with the procedure described on the same web page and then deliver to the student administration office, within the same application deadlines foreseen for verification of requirements, a self-certification of the degree obtained with the indication of the exams taken, the corresponding Academic Disciplines (SSD) for each subject and a copy of the payment slip of €10. If the declaration of the previous educational path is not provided or if the result of the verification of the curricular requirements is negative, the enrolment in that specific course of study is not allowed.

Students with the invitation letter

Students coming from foreign Universities, before making the payment, must register following the procedure described on the same web page and must go to the Hello-foreign students Sector to finalize the enrolment providing the following documentation:

- original and photocopy of your ID;
- original and photocopy of the study visa (in case of non-EU citizen resident abroad);
- original and photocopy of the residence permit (in the case of a non-EU citizen residing legally in Italy);
- original and photocopy of the secondary school diploma translated into Italian, legalized and with declaration of value;
- original and photocopy of the academic degree translated, legalized and with declaration of value;
- original and photocopy of the exams list certificate translated and legalized;
- receipt of payment of €10 for the verification of requirements.

Students without the invitation letter

Students coming from foreign Universities, before making the payment, must register following the procedure described on the same web page and send an e-mail to studentistranieri@uniroma1.it attaching:

- the passport;
- the study visa (in case of non-EU citizen resident abroad);
- the residence permit (in the case of a non-EU citizen legally residing in Italy);
- the secondary school diploma translated, legalized and with declaration of value;
- the academic title translated, legalized and with declaration of value;
- the translated and legalized exams certificate;
- the detailed programmes for each subject, indicating the hours of theoretical-practical didactic activity required to obtain the title or Diploma Supplement;
- the receipt of payment of €10 for the verification of requirements.

It will be responsibility of the Hello-foreign students Department to forward the documentation to the Representative of the Faculty concerned.

Once the requirements have been verified, the above mentioned documents must be presented in original and in photocopy to obtain the enrolment fee.

Graduand students

If specified in the Course Regulations, students from Sapienza University of Rome or from other Italian Universities who have not yet obtained the degree, with the obligation to obtain it within 15th January 2021 (for the students of Sapienza) and by 18th December 2020 (for students coming from other Italian and foreign universities) will also be allowed to apply for the verification of requirements.

Single exams to fulfill the requirements

Graduates from Sapienza and other Italian and international Universities and graduand students from other Italian Universities who intend to enrol in a Master's Degree course under D.M. 270/04 at Sapienza and who do not meet all the curriculum requirements, may register for single courses before enrolling in the degree. Any exams taken cannot be part of the bachelor's degree, cannot be taken into consideration to calculate the average grade, cannot constitute a reason for applying for a course abbreviation, but are only added to the student's career for the purposes illustrated above. Enrolment procedures and amounts for single courses are described in Article 41 of the "Manifesto generale degli studi" - Students regulation a.y. 2020-2021.

Further information

The procedures foreseen after the result of the verification of the requirements are indicated in art.8 of the "Manifesto generale degli studi" published on the University website at <https://www.uniroma1.it/it/pagina-strutturale/studenti>.