

## DENOMINAZIONE MASTER

### CALL FOR APPLICATIONS OF ADMISSION TO SECOND LEVEL UNIVERSITY MASTER'S DEGREE IN DRUG DESIGN AND SYNTHESIS AY 2021/2022

#### OBJECT OF THE CALL (ART. 1 COMMA 2)

1.2 The Italian pharmaceutical industry occupies the first place in Europe for production and exports and the first place in the world for innovative contracts (2019 Farmindustria Report). According to the 2020 Farmindustria Report, the Italian pharmaceutical sector grew by 26% also in 2020 despite the pandemic: employment and investments remained constant, confirming the commitment of pharmaceutical companies to Italy's development to which they contribute as a great industrial asset. This success is attributed to the investments made in the quality of Human Resources and the efficiency of the related sectors, which with the pharmaceutical industry create a system of over 140,000 employees and growth synergies of excellent value. This sector requires high-level specialized researchers and technicians to be employed in the research, development, production, and control of drugs. The Master in Drug Design and Synthesis (MDDS) has a European character and is aimed at training professionals (researchers, specialized technicians) who are capable to work in the field of Drug Discovery and Development and Biotechnology for pharmaceutical companies. After this MDDS, researchers will have developed those soft skills and transversal skills necessary to respond effectively to an internationally evolving world of work, implementing their basic knowledge with those innovative and practical elements that only direct experience of teachers active in the sector can convey. The MDDS is characterized by a strong industrial component thanks to the presence of many teachers from industries in the sector (i.e.: GSK, IRBM, AlfaSigma, Indena). Furthermore, the presence of teachers from the world of applied and industrial research from various countries of the European Union is also expected. During the lectures the strategic issues related to Drug Discovery will be covered with sessions of several lessons dedicated to: sustainable production of Active Pharmaceutical Ingredients (API), chemical-analytical aspects connected with the development, production and quality control processes of drugs, approaches in silico for the discovery and development of drugs, innovative chemical-pharmaceutical aspects for the discovery and development of drugs, economic and legislative aspects related to the world of drugs, communication and development of personal attitudes. Lessons will be delivered with the most innovative teaching methods related to active learning. Ample space will be given to a self-knowledge path based on the Structorgam method widely used in the industry sector to help employees to work in a more harmonious and efficient way thanks to self-knowledge and greater clarity of objectives and desires. In order to improve the ability to work in a team, assignments will include projects to be developed and presented in order so that participants may put into practice their communication and writing skills. In this way, at the end of the MDDS students will have developed all the necessary qualities for their insertion in both the industrial and academic fields.

1.3 Contact person for the organization and teaching (lessons, calendar, classrooms etc.) of the university master's degree:

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Sito web del Master universitario <http://www.mdds.unisi.it>.

#### ACCESS DEGREES (ART. 2 COMMA 1)

2.1 In order to be admitted to the university master's degree, one of the following requirements must be fulfilled:

- DEGREES OBTAINED IN ACCORDANCE WITH THE REGULATIONS IN FORCE UNDER Ministerial Decree 509/99 - Access allowed:
  - Agricultural and plant biotechnologies

- Agroindustrial biotechnologies
- Pharmaceutical Biotechnologies
- Industrial Biotechnologies
- Medical Biotechnologies
- Veterinary Biotechnologies
- Chemistry
- Pharmaceutical Chemistry and Technology
- Industrial Chemistry
- Pharmacy
- Biomedical Engineering
- Chemical Engineering
- Biological Sciences
- SPECIALIZED DEGREES PURSUANT TO DM 509/99 AND MASTER'S DEGREES PURSUANT TO DM 270/2004:
  - Class LS26-Biomedical Engineering
  - Class LS27 - Chemical Engineering
  - Class LS62-Chemical Sciences
  - Class LS81-Sciences and Technologies of Industrial Chemistry
  - Class LM-13-PHARMACY AND INDUSTRIAL PHARMACY (new system pursuant to DM 270/04)
  - Class LM-7- AGRICULTURAL BIOTECHNOLOGIES (new system pursuant to DM 270/04)
  - Class LM-9-MEDICAL, VETERINARY AND PHARMACEUTICAL BIOTECHNOLOGIES (new system pursuant to DM 270/04)
  - Class LM-21-BIOMEDICAL ENGINEERING (new system pursuant to DM 270/04)
  - Class LM-22-CHEMICAL ENGINEERING (new system pursuant to DM 270/04)
  - Class LM-54-CHEMICAL SCIENCES (new system pursuant to DM 270/04)
  - Class LM-71-SCIENCES AND TECHNOLOGIES OF INDUSTRIAL CHEMISTRY (new system pursuant to DM 270/04)

THE COMMISSION RESERVES THE RIGHT TO ASSESS APPLICATIONS FOR ADMISSION OF POTENTIAL CANDIDATES WHOSE CURRICULA VITAE EVIDENCE ADDITIONAL TRAINING PATHS AND/OR SPECIFIC ACTIVITIES CONDUCTED WITHIN THE AREAS OF INTEREST OF THE COURSE. THE POSSESSION OF A DEGREE DIPLOMA IS REQUIRED IN ANY CASE.

#### **NUMBER OF PLACES (ART. 2 PARAGRAPH 5)**

2.5 The number of places for admission to this master's degree is set at a minimum of 10 and a maximum of 20.

#### **MASTER'S DEGREE DURATION IN MONTHS (ART. 2 PARAGRAPH 7)**

2.7 To be awarded the master's degree, with a duration of 18 months, students must obtain 60 university credits .

#### **APPLICATION DEADLINE (ART. 3 PARAGRAPH 1)**

3.1 The application for admission must be submitted **no later than December 1, 2021** exclusively online through the website <https://segreteriaonline.unisi.it> of the University of Siena. After the aforementioned deadline, it is no longer possible to register for the call for applications.

### DOCUMENTS TO BE ATTACHED (ART. 3 PARAGRAPH 3)

3.3 During the online procedure, applicants must attach the following documents **,as a mandatory requirement,** in the section "**Gestione titoli e documenti per la valutazione**" (management of qualifications and documents for assessment):

- CURRICULUM VITAE ET STUDIORUM
- PUBLICATIONS
- ABSTRACT OF THE DEGREE THESIS
- OTHER QUALIFICATIONS

- Only for holders of degrees obtained abroad:
  - **For non-European Union citizens residing abroad**, a copy of the qualifications obtained abroad showing the legal duration of the courses.
  - **For EU and equivalent applicants**, copy of qualifications translated into Italian, authenticated, legalized, and bearing the required dichiarazioni di valore (value declaration).

**With the entry into force of article 15 of Law 183/2011 from 1 January 2012, administrations can no longer accept certifications issued by other Public Administrations or by managers of public services regarding status, personal qualities, and facts. Certificates are always replaced by substitute declarations of certification or by a notary deed.**

It should be noted that the documentation NOT EXPRESSLY REQUIRED by this call for applications, attached through the online registration procedure for the competition, will not be taken into consideration for the purposes of evaluation by the competent judging committee.

### RULES FOR FOREIGN APPLICANTS (ART. 4)

4.1 Applicants in possession of a foreign academic degree equivalent, in terms of level, nature, content and academic rights (access to further courses) to the Italian academic qualification requested to have access to their chosen course, may apply for enrollment. Enrollment, however, remains subject to verification of the regularity of the study documentation, for the sole purpose of enrollment, conducted by the First and Second level Courses Division as well as the passing of the respective admission tests/qualifications evaluation, where required.

4.2 **EU applicants and equivalent** in possession of degrees obtained abroad must submit the latter attachments to the admission application duly completed by the Italian Representatives competent for the territory of the country of the institution that issued the qualifications. These qualifications must be translated into Italian, authenticated, legalized, and submitted with the required dichiarazioni di valore (value declarations).

**Non-EU applicants residing abroad** must submit the application for admission together with a copy of the qualifications obtained abroad showing the legal duration of the courses. The University of Siena reserves the right to ask the candidate for a translation.

For courses where enrollment in a professional register is also required, it is necessary to produce the corresponding certificate in an original or certified copy together with the translation into Italian.

*The pre-enrollment application for applicants (international students) who need an entry visa for study purposes must be submitted using the UNIVERSITALY portal (<https://www.universitaly.it>).*

4.3 At the time of enrollment **the originals of the academic degrees** (translated, authenticated, legalized and with the required dichiarazioni di valore- declarations of value) completed by the competent Italian Representatives for the territory must be attached, under penalty of non-completion of the enrollment.

**For non-EU citizens** it is also mandatory to present a copy of the receipt of the application for a residence permit or a copy of the valid residence permit.

**Non-EU citizens residing abroad** must also present a copy of their passport with a specific entry visa for study purposes.

4.4. Provisions for access to the course for applicants of foreign citizenship and for EU citizens in possession of academic degrees obtained abroad can be found at the website of the Ministero dell'Università e della Ricerca <http://www.studiare-in-italia.it/studentistranieri/>.

## ENROLLMENT FEES (ART. 6 PARAGRAPH 2)

6.2 The enrollment fee amounts to **3000 euros** net of any charges and bank commissions. This sum must be paid in two installments:

- 1) The first installment amounting to 1500 euros, to which the sum of 16.00 euros will be added for the payment of the electronic stamp duty, to be paid at the time of enrollment. Payment must be made through the **sistema PagoPA** according to the instructions on the site <https://segreteriaonline.unisi.it>. For further information visit the page: <https://www.pagopa.gov.it/>.
- 2) The second installment, of **1500 euros**, no later than **15/06/2022**, accessing the web page: <https://segreteriaonline.unisi.it> with your own Unisipass. Payment must be made through the **PagoPA system**. No further communication will be issued regarding this deadline.

Regular enrollment in courses is subject to payment of the amounts due.

Matriculation is completed only with the payment of the fee.

In the event that registration fees are borne by third parties (public bodies, foundations, companies, etc.) the following is necessary:

- o Payments made by private bodies or companies, must be effected through the **PagoPA system** upon reception of a payment notice sent by the University of Siena.
- o If the payment is made by a public body, with a *Girofondo (bank transfer)* on the account of Contabilità Speciale no. 0038125 in the name of Università degli Studi di Siena at the Banca d'Italia. The procedure refers to Law 27/2012, for Special Accounting.

The payment of the contribution by a third party must be formalized with a letter of commitment no later than the enrollment deadline date.

## BEGINNING AND END OF THE MASTER'S DEGREE (ART. 8. PARAGRAPH 2)

8.2 The university master's degree will start in November 2021 and end in July 2023.

The university master's degree must, in any case, be obtained no later than 3 months from the conclusion of the courses, under penalty of decline of studies.

SEGRETERIA ONLINE (online secretariat)( <https://segreteriaonline.unisi.it/Home.do> ) to apply for admission / registration

FURTHER INFORMATION IS AVAILABLE IN THE CALL FOR APPLICATIONS IN ITALIAN