



SCUOLA LEONARDO
DA VINCI® - ROMA



SCUOLA LEONARDO
DA VINCI® - FIRENZE

Let us be your
Learning Guide

ITALIAN UNIVERSITIES

2023 SELECTIVE ENTRANCE TEST PREPARATION COURSES

UNIVERSITY CHOICE COUNSELING

TUTORING

> **Rome** February 6th - June 23rd

20-week extensive course Mondays through Fridays (400 lessons)

> **Florence, Rome** June 5th - June 30th

4-week intensive course (140 lessons)

Information and enrollment:

rome@scuolaleonardo.com

florence@scuolaleonardo.com



+39 06 688 925 13

+39 055 261 181

Our Schools:

7, P.zza dell'Orologio - Rome 00186

3, Via M. Bufalini - Firenze 50122

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Students have the option to combine the extensive course in Rome with the preparatory course for the CILS language certification at the B1 and B2 levels from March 6-March 21, 2023.

Students have the option to retake the TOLC exam multiple times within the same calendar year (once every month) both online and in person from February to November 2023.

Only the TOLC-MED and TOLC-VET exams will be held in person in two sessions (the first from April 13-22, 2023 and the second from July 15-25, 2023).

For further information and descriptions of the courses and examination dates, please contact the school secretary.

ENTRY EXAM TO THE ITALIAN UNIVERSITIES

Admission to many Italian universities requires passing an entry exam. These entry exams are the main tool in selecting new students for limited access programs (such as in Medicine, Dentistry, Architecture, Engineering) or to programs for which the number of admission placements are determined on a national basis. In many other departments (Mathematics, Statistics, Chemistry, Biology, Law, Economics and Business Studies, Psychology, Languages, Literature, Philosophy, Health Professions), entry tests are still required and are used to determine and identify gaps within students' preexisting knowledge.

EXAMINATION BODY

Admission exams are conducted nationally and are issued by the Italian Ministry of Higher Education and Research (MIUR) as outlined in an official document published at the end of June. The Ministry also decides on the number of admission spots allocated to each University

OUR PREPARATION COURSES

Scuola Leonardo da Vinci® offers preparation courses for the Medicine and Architecture entrance exams. Participants can both improve their knowledge in specific areas covered by the tests as well as engage in logical reasoning. The course is organized as follows:

- logical reasoning, reading comprehension;
 - general cultural knowledge;
 - specific knowledge related to the degree course in question.
- The courses are structured to prepare students for both local university tests and centralized TOLC-CISIA tests: Engineering

(TOLC-I), Economics (TOLC-E), Science (TOLC-S), Physics (TOLC-F), Biology (TOLC-B), Agriculture and Veterinary (TOLC-AV), Humanities (TOLC-SU).

The TOLC is an online test used in many Italian universities to evaluate students' preexisting knowledge prior to enrollment so as to better guide them in choosing the university path. In some degree courses with restricted access (limited number of places) it is used as a selection test.

The TOLC can be carried out in any of the universities that use it, even in universities other than that in which a student may wish to enroll. The test takes place on various dates throughout the year.

FEES INCLUDE

Lessons, Textbooks and teaching material, Accommodation placement service, Full orientation upon arrival, Placement test, Academic counselling for Italian Universities, Assistance in enrolling on the admission tests, bureaucratic procedures, contacts with Universities' International student offices, Certificates.

OUR INSTRUCTORS

All courses are taught, in Italian or in English, by university researchers and professionals who for many years have been preparing students for university entrance tests, with theoretical lessons and practical exercises based both on tests from past years and on in-depth studies of specific topics.

OUTCOMES

Students will complete our course with full competence on the contents required by the department you have chosen. At the same time, you will have developed the skills necessary to face the selective test in the best way possible.

TUTORING

A tutor assists students throughout the University admission process, from the University choice to the registering procedures for the entrance test, and the enrollment.

PREREQUISITES

To participate in the course, students are required to have good Italian/English language skills (minimum level B1/B2 of the Common European Framework of Reference for Languages). Therefore it is advisable, if you do not already possess the required level of Italian, to first take a language course before enrolling in a preparation course.

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WHY STUDY AT "LA SAPIENZA" IN ROME

- According to the 2022 CENSIS ranking of Italian universities, "La Sapienza" University in Rome ranked third among Italian universities with more than 40,000 students. According to this same classification, the University of Tor Vergata ranked tenth and the University Roma Tre still impressively occupies the 17th spot.
- According to the World University Rankings Times Higher Education (THE), has ranked two Roman universities within the top 350 schools; La Sapienza in Rome, and University of Rome Tor Vergata. La Sapienza in Rome continues to climb the ranks year after year thanks above all to the excellent results of their teaching and research.

There are three primary reasons for choosing to study with "La Sapienza" University of Rome:

1. It is the international academic community's most highly esteemed Italian university according to international agencies,
2. It is the world's top university in Classical Studies,
3. It is Europe's largest university with over 115,000 students enrolled.

HOW MUCH DOES IT COST TO STUDY IN ROME

According to studies conducted by Money Farm magazine on expected student expenses abroad, moving to Rome for study reasons can produce savings of approximately 15% compared with other prestigious universities in mid- to large-size Italian cities. Indeed the costs of rent, bills, tuition fees, books, and public transport as a university student in Rome come out to an average of only 8,000 euros annually.

WHY STUDY AT UNIVERSITY OF FLORENCE

1. The University of Florence represents one of the largest and most productive systems of Italian public research.
2. The University of Florence occupies an excellent position in national and international evaluations.
3. Currently, with its 21 departments the University of Florence has developed a series of tools to promote research-based innovation across its 141 degree courses (first, second level, and single cycle), 13 of which are in English and are respectively organized across 10 Schools.
4. In 1999, the University of Florence was recognized as a "Jean Monnet European Center of Excellence."
5. The international dimension of the University of Florence is reflected in the more than three thousand foreign students enrolled.

HOW MUCH DOES IT COST TO STUDY IN FLORENCE?

"The city of Florence is without a doubt incredibly stimulating and invigorating from an educational perspective. It is also fortunately easy to get into the central areas of Florence from its surrounding suburbs. In Florence, you will find yourself immersed in the authentic atmosphere of Italy's renowned "City of the Renaissance." The average costs of rent, utility bills, tuition fees, books, and public transportation for those studying in Florence is approximately 9,000 euros a year."

WHICH ARE THE BEST UNIVERSITIES IN SOUTHERN ITALY

1. The University of Naples "L'Orientale" is a strong reference point for Oriental Language students. This university's prestige has thus encouraged students from around Italy to study in Naples, the capital of Italy's Campania region.
2. The University of Macerata, located in the Marche region, is one of the oldest universities in Italy with a foundation date of 1290. It now hosts one of the best law school faculties in all of Italy.
3. The University of Salerno, according to the Italian news agency, "Il Sole 24 ore," ranks fifteenth among all Italian universities and first within Central/Southern Italy.
4. Chieti-Pescara is among the top 15 universities ranked according to new enrollments of non-resident first years. Many of these new recruits have been drawn by the school's strong training of its university faculty.
5. From an academic standpoint, the University of Foggia is steadily and exponentially growing. The city welcomes an ever-increasing number of off-site students interested in their educational offerings, the strong level of teaching, and the desire and encouragement to grow at this Puglia-region university.



1. LOGICAL REASONING AND GENERAL KNOWLEDGE**1.1 Logical reasoning and reading comprehension**

During the course we work on materials derived from admission tests of previous years. The lessons aim to develop and exercise the ability to synthesize and reason from texts and, at the same time, the ability to identify assumptions as well as to identify trials and errors in logical processes. Students practice on three different types of tasks: select specific information in order to find a solution to a posed problem; find the best and most effective ways to reach a solution; and finally, to recognize relationships of similarity and difference, numerical sequences, relations between sets of elements, semantic relationships at word level.

1.2 General cultural knowledge

In this section, lessons focus on the main topics concerning modern and contemporary history, literary culture and international institutions.

2. Specific scientific knowledge

In the lessons dedicated to specific scientific sectors, in addition to the contents, particular attention is paid to the specialized lexicon, since it is essential to have a good knowledge of such vocabulary in order to best face the exam section dedicated to these topics.

2.1. DEPARTMENTS WITH COMPETITIVE (LIMITED ACCESS) PROGRAMS**a) Medicine and Dentistry**

Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

Mathematics (functions; set theory and algebra; geometry)

Chemistry (physical chemistry; electrochemistry; inorganic chemistry; organic chemistry; gas laws)

Biology (cells; organic chemistry; bioenergetics; bacteria, viruses, fungi and major pathogens; reproduction and heredity; anatomy and physiology of animals and humans; food chains; biogeochemical cycles)

b) Architecture

History of Art and Architecture

Industrial Design

Technical Design

Mathematics (functions; set theory and algebra; geometry)

Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

2.2. OTHER DEPARTMENTS**a) Engineering – TOLC-I**

Mathematics (functions; set theory and algebra; geometry)

Engineering (civil engineering; environmental engineering; engineering management; materials engineering)

Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

Chemistry (physical chemistry; electrochemistry; inorganic chemistry; organic chemistry; gas laws)

English

b) Economics – TOLC-E

Mathematics (functions; set theory and algebra; geometry)

Economics (business economics; political economics; science of finance; international economics)

Law (private law; public law)

English

c) Science – TOLC-S

Mathematics (functions; set theory and algebra; geometry)
Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

Chemistry (physical chemistry; electrochemistry; inorganic chemistry; organic chemistry; gas laws)

English

d) Biology – TOLC-B

Mathematics (functions; set theory and algebra; geometry)
Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

Chemistry (physical chemistry; electrochemistry; inorganic chemistry; organic chemistry; gas laws)

Biology (cells; organic chemistry; bioenergetics; bacteria, viruses, fungi and major pathogens; reproduction and heredity; anatomy and physiology of animals and humans; food chains; biogeochemical cycles)

English

e) Physics – TOLC-F

Mathematics (functions; set theory and algebra; geometry)
Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

Chemistry (physical chemistry; electrochemistry; inorganic chemistry; organic chemistry; gas laws)

Biology (cells; organic chemistry; bioenergetics; bacteria, viruses, fungi and major pathogens; reproduction and heredity; anatomy and physiology of animals and humans; food chains; biogeochemical cycles)

English

f) Humanities – TOLC-SU

History

Literary culture

Artistic culture

English

g) Agriculture and Veterinary – TOLC-AV

Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

Chemistry (physical chemistry; electrochemistry; inorganic chemistry; organic chemistry; gas laws)

Biology (cells; organic chemistry; bioenergetics; bacteria, viruses, fungi and major pathogens; reproduction and heredity; anatomy and physiology of animals and humans; food chains; biogeochemical cycles)

English

h) Law

Law (private law; public law; constitutional law)

Economics (political economics; history)

i) Psychology

Biology (cells; organic chemistry; bioenergetics; bacteria, viruses, fungi and major pathogens; reproduction and heredity; anatomy and physiology of animals and humans; food chains; biogeochemical cycles)

Mathematics (functions; set theory and algebra; geometry)

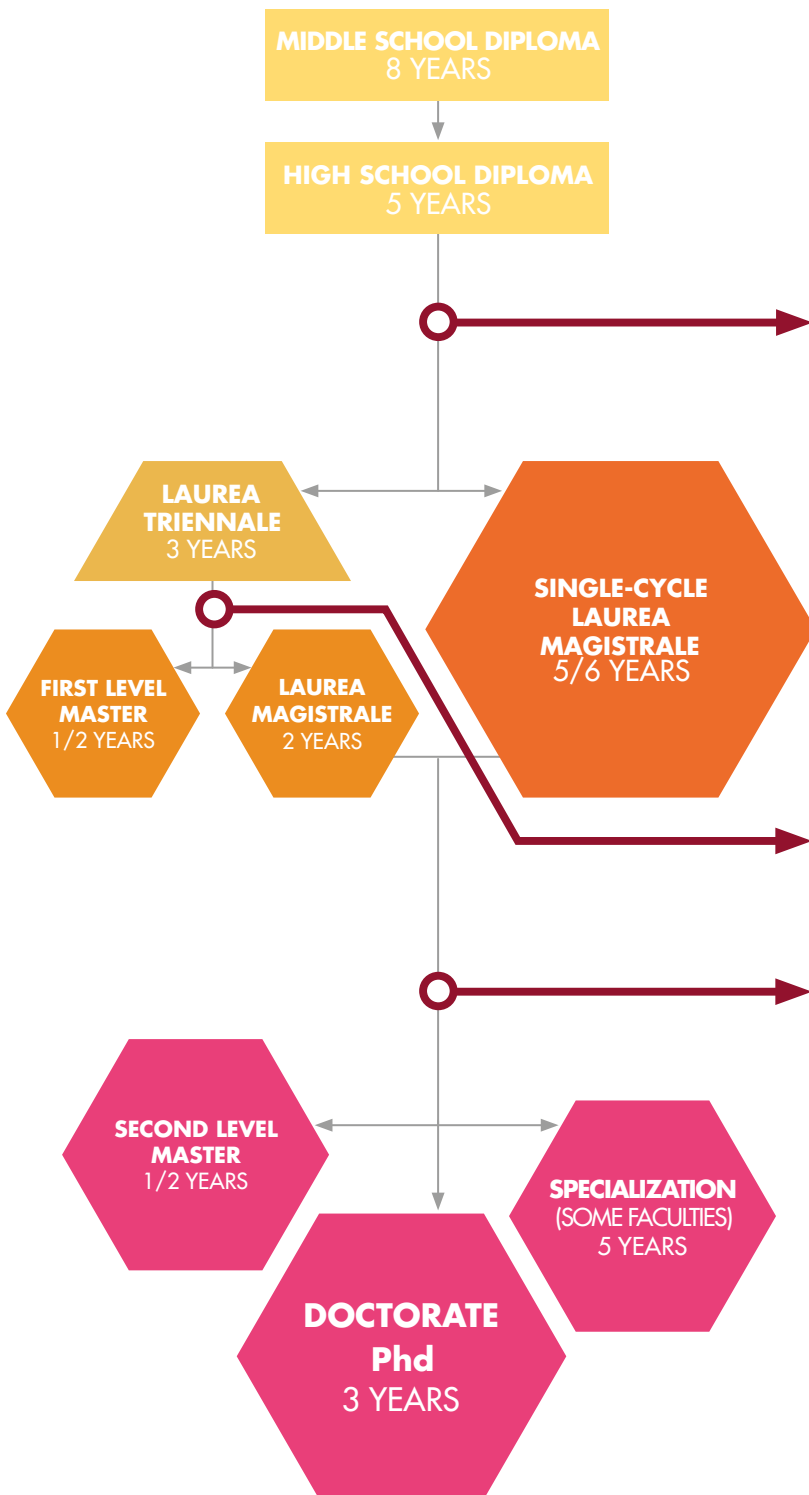
l) Health Professions

Mathematics (functions; set theory and algebra; geometry)
Physics (fluid mechanics; dynamics; kinematics; thermology and thermodynamics; electrostatics and electrodynamics; measurements; optics and acoustics)

Practice and Health Care Regulation



HOW TO APPLY TO ITALIAN UNIVERSITY FOR INTERNATIONAL STUDENTS



TIMELINE AND PROCEDURES

**APRIL
MAY**

**UNIVERSITY CHOICE
AND PRE-
ENROLLMENT***

- 📍 Italian Embassy / Consular Services
- 👤 Personally / By Proxy
- ✓ High School Diploma

JULY

**APPLICATION TO THE
ADMISSION EXAM***

- 📍 Italy or your Country
- 👤 On-line
- ✓ Dichiarazione di Valore
- ✓ Legalized and apostilled translation of the Diploma

AUGUST

**STUDY VISA
APPLICATION***

- 📍 Italian Embassy / Consular Services
- 👤 Personally
- ✓ Confirmation letter of application to the exam
- ✓ International medical insurance
- ✓ Declaration of financial capacity

SEPTEMBER

**ADMISSION TEST:
ITALIAN LANGUAGE +
ACADEMIC SUBJECTS**

- 📍 Chosen University
- 👤 Personally
- ✓ Study Visa
- ✓ Confirmation letter of application to the exam
- ✓ Italian Level B1

**SEPTEMBER
OCTOBER**

**FINAL ENROLLMENT
FOR THE
ACADEMIC YEAR**

- 📍 Italy
- 👤 Personally / On-line
- ✓ Passing the admission exam
- ✓ Study Visa and Permit of Stay
- ✓ Payment of tuition fee for the first year

* Valid Passport required