



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

School of Medicine and Surgery

Admission notice, Academic Year 2019-2020

Single-cycle degree taught in English

Medicine and Surgery

Class LM -41- Medicine and Surgery

NB: Contents is clickable and linked to the corresponding paragraphs to help you browse this document.

Please pay attention to the information in the present admission notice.

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1. SINGLE-CYCLE DEGREE COURSE, PLACES AVAILABLE AND ADMISSION REQUIREMENTS

1.1 Degree course and places available

Enrolments to be admitted to the first year of the single-cycle degree course taught in English in Medicine and Surgery for academic year 2019/2020 are now open.¹

The following places are available for the first year:

54² places for EU and non-EU citizens legally staying in Italy (art. 26 Law 189/2002);

9 places for non-EU citizens residing abroad.

1.2 Admission requirements

To be admitted, applicants need to:

- ◇ have a secondary school leaving qualification or other qualification taken abroad which is acknowledged as valid for admission to university (<https://www.unipd.it/iscrizioni-studenti-internazionali>), according to the regulations in place;
- ◇ have passed the entry test for the degree course for which the enrolment application is required.

The minimum duration of the course is 6 years. At the end of their studies graduates have a Master's degree in Medicine and Surgery.

The full sheet on this Degree course is available at:
<https://didattica.unipd.it/off/2019/CU/ME/ME2491> .

2. HOW TO ENROL ONLINE FOR THE TEST ON THE UNIVERSITALY PORTAL

To take part in the entry test, candidates must enrol following the procedure on the University portal (www.universitaly.it); when enrolling, candidates must sign up using their email address and pay the competition entry fee following the instructions available on the portal. This procedure is mandatory in order to take part in the test, otherwise candidates will be excluded from the test.

¹ M.D. no 542 of 18th June 2019 "M.D. Procedures and contents of the entry test to be admitted to single-cycle degree courses taught in English in Medicine and Surgery and dentistry and dental prosthesis, a.y. 2019/2020". Activation of the first year of the degree course depends on accreditation pursuant to M.D. 6/2019 "Self-assessment, assessment, initial and recurring accreditation of degree course campuses" .

² As per M.D. no. 595 of 27th June 2019 and M.D. no. 597 of 28th June 2019

The enrolment, which must be done **exclusively** online following the procedure available on the www.universitaly.it portal, opens on 3rd July 2019 and closes at 15.00 (GMT+1) on 25th July 2019 .

When enrolling, the candidate must state:

a) the centres where the candidate intends to submit their application, in order of preference. Such preferences are irrevocable and cannot be completed after 15:00 (GMT+1) of 25th July 2019. The last “confirmation” expressed by the candidate by such deadline shall be taken into consideration. The first valid preference is, in the order of preferences indicated, the best option relating to the centre and the course in which, based on the score obtained and the number of places available, the candidate is eligible for enrolment.

If the candidate intends to take the test in an Italian centre then the first option automatically constitutes the centre where the test is to be taken. No exceptions may be made to the centre where the test is to be held.

For academic year 2019/20, the entry test may also be taken in one of the Italian and foreign centres listed below which will have to be selected during the enrolment process:

Country	City	Centre Name	Start time
Brazil	Sao Paolo	Winner Idiomas	09:00
Canada	Toronto	Global Village English Centre	09:00
Cyprus	Nicosia	Pascal Education Ltd	15:00
China	Beijing	School of International Education, Beijing Foreign Studies University	19:00
France	Paris	The British School of Paris	14:00
Germany	Essen	Stevens English Training	14:00
Germany	Munich	Münchner Volkshochschule GmbH	14:00
Greece	Athens	Hellenic English Council Ltd	15:00
Hong Kong	Hong Kong	ITS Tutorial School	19:00
India	Gurugram	Planet EDU – Pvt Limited	17:30
Israel	Tel Aviv	Mobile Testing Solutions	15:00
Italy	Bari	Università degli Studi di Bari	14:00
Italy	Bologna	Università degli Studi di Bologna	14:00
Italy	Messina	Università degli Studi di Messina	14:00
Italy	Milan	Università degli Studi di Milano	14:00
Italy	Milan	Università degli Studi di Milano-Bicocca	14:00
Italy	Naples	Università degli Studi della Campania “Luigi Vanvitelli”	14:00
Italy	Naples	Università degli Studi di Napoli “Federico II”	14:00

**SINGLE-CYCLE DEGREE COURSES ♦ UNIVERSITY OF PADOVA
IN MEDICINE AND SURGERY**

Italy	Padova	Università degli Studi di Padova	14:00
Italy	Pavia	Università degli Studi di Pavia	14:00
Italy	Rome	Università degli Studi di Roma "Sapienza"	14:00
Italy	Rome	Università degli Studi di Roma "Tor Vergata"	14:00
Italy	Siena	Università degli Studi di Siena	14:00
Italy	Turin	Università degli Studi di Torino	14:00
Pakistan	Lahore	British Council Lahore	17:00
Poland	Warsaw	Lang LTC	14:00
Saudi Arabia	Jeddah	British Council Jeddah	15:00
Switzerland	Zurich	Swiss Exams	15:00
South Africa	Johannesburg	British Council Johannesburg	14:00
Spain	Madrid	CESMA Business School	14:00
Turkey	Istanbul	British Side	15:00
United Arab Emirates	Dubai	British Council, Dubai	16:00
United Kingdom	London	Mobile Testing Solutions Ltd	13:00
USA	New York	OHC New York	09:00

b) any language certificate they may have which is included among those listed in annex 1 of the present admission notice.

Payment of the test fee is to be done as per the procedures listed on University once enrolments open. **Any payment not accompanied by the corresponding online enrolment confirmation does not give a candidate the right to take the entry test.**

Candidates may also receive live support and use the IT kiosks available at the Student Career Office during the opening days and times listed on the following page <https://www.unipd.it/cariere-studenti> .

On 2nd September 2019 the addresses of the centres where the entry test is going to take place, including the specific rooms, will be published on the websites of the M.I.U.R. and the universities involved.

Candidates will be sorted by age, with the exception of twins.

3. ENTRY TEST, MERIT LIST and ADDITIONAL LEARNING REQUIREMENTS (ALR)

3.1 Entry test

The entry test will take place **in Italy at 14.00 on 12th September 2019, at the other centres at the time listed on the table in section 2.**

The entry test is identical in all centres and it is prepared by the Ministry of Education, University and Research (M.I.U.R.) together with Cambridge Assessment. It consists of **60 questions** with 5 possible answers, but only one is correct, the others being wrong, arbitrary or unlikely, on the following topics:

- ◊ General knowledge: 12 questions;
- ◊ Logical thinking: 10 questions;
- ◊ Biology: 18 questions;
- ◊ Chemistry: 12 questions;
- ◊ Physics and Mathematics: 8 questions.

Candidates have **100 minutes** to complete the test.

The programmes are listed in annex 2, which is integral part of this admission notice.

Only candidates who meet the following criteria can take the entry test:

- 1) they must have filled in the online pre-enrolment application on the www.universitaly.it portal by 15.00 of 25th July 2019;
- 2) Have a valid ID document (possibly the same one used in the enrolment application) and the enrolment confirmation issued at the end of the online procedure on the Universitaly portal.

Candidates must show up **at 12.00** for the necessary checks; **once the test starts, candidates showing up late will not be allowed to take the test.**

The test is scored (maximum total score: 90 points) as follows:

- ◊ 1.5 points for every correct answer;
- ◊ minus 0.4 (-0.4) points for every wrong answer;
- ◊ 0 points for every skipped answer.

Should candidates have the same score, the following criteria apply:

- ✓ the score, in descending order, got by the candidate in their answers to questions on general knowledge and logical thinking, biology, chemistry, physics and Mathematics, prevails;
- ✓ the possession of language certificates specified in annex 3, held by the candidate when enrolments close as stated by the candidate when enrolling for the entry test, prevails. The possession of language certificates required by the procedure is self-certified and made pursuant to article 46 of Presidential Decree no. 445/2000 quoted in the introductory remarks. The Administrations involved in this procedure reserve the

right, at any stage of the procedure, to verify the truthfulness of the declaration made by the candidate, in accordance with the regulations in place on this subject. The candidate will therefore have to provide all the necessary information to allow the necessary checks to be carried out. In the event that the documentation submitted by the candidate contains false or misleading statements, without prejudice to the penalties provided for by the Criminal Code and special laws on the subject and the declarant's exposure to damages that could be sought by the other party concerned, any enrolment will be cancelled, any benefits granted will be recovered and any university fees and contributions paid will be withheld;

- ✓ in the event candidates still have the same score, the youngest candidate shall prevail.

For the Single-cycle degree course in Medicine and Surgery, Cambridge Assessment shall determine the score of each candidate and transmit the results to CINECA through a reserved website specifically set up for this purpose.

Based on the score obtained by each candidate, a single national merit will be drawn up for EU and non-EU candidates residing in Italy, as per art. 26 of law no. 189/2002, criteria listed in art. 10.

The merit list for non-EU candidates residing abroad is defined and published by the University. EU and non-EU candidates as defined in Article 26 of Law no. 189/2002 are eligible for admission to the degree courses referred to in section 1 if they obtain in the test **a minimum score of twenty (20) points**; those who are not eligible are not included in the merit list.

In accordance with EU guidelines on the access of foreign students to university education and in line with the foreign cultural policy requirements set out in Article 46 of Presidential Decree no. 394/1999, with reference to the seats reserved for non-EU candidates residing abroad, **the minimum threshold of eligibility for a minimum score of twenty (20) points does not apply**. Non-EU candidates residing abroad are considered eligible only if they are awarded **a score higher than zero (0)**. Non-EU candidates residing abroad who did not answer any question are not added to the merit list.

The condition of being eligible for admission to courses in section 1 only refers to the current selection process; no right shall arise to be admitted in the years after the one in which the test was taken.

3.2 Additional Learning Requirements (ALR)

Should any Additional Learning Requirements (OFA) be awarded, candidates shall find out in November on the following page <https://www.unipd.it/graduatorie-ammissione> .

4. TEST COMMISSION AND TEST REGULATIONS

The test commission is appointed by the Rector and it is made up of professors from the Master's degree course in Medicine and Surgery. With regard to the number of candidates enrolled, the Rector may add an overseeing committee to the Commission. Such committee shall be made of professors and university administrative staff in charge of checking the rooms during the test.

The full regulations on how the test takes place are specified in annex 1 of MD. no. 542 of 18th June 2019 on "Procedures and contents of the entry test to be admitted to single-cycle degree courses taught in English in Medicine and Surgery and dentistry and dental prosthesis during a.y. 2019/2020".

Candidates may enter the room where the test will be taken only after completing the identification procedures, showing a valid ID document.

Candidates showing up late or with no documents will not be allowed to take the test.

During the test, candidates cannot interact with each other, bring in and/or use mobile phones, PDAs, smartphones, smartwatches, tablets, earphones, webcams or other similar devices. They cannot also bring or and/or use pens, pencils, stationary (or any other writing tool) they may have and/or bring in and/or use manuals, textbooks, printouts/photocopies, handwritten notes, blank sheets and other reference material.

Candidates must also follow these instructions during the test:

- a) each candidate must fill in the answer sheet using **only** the black pen provided by the University or foreign centre.
- b) each candidate must fill in the personal information sheet and sign it to confirm the data in par. D is correct when handing in the paper;
- c) the candidate shall indicate their answer by marking the corresponding box with an X (by drawing the diagonal cross in the answer box). Candidates may correct any answer they have given to a question only once. They may do so by completely blackening the box previously marked with the X sign and by choosing another one: in any case, a mark with the X sign must only appear in one of the five boxes in order to be given the relative score. A small circular shape is present next to each question number on the answer sheet. Candidates must tick this circular shape if they do not want to answer the question. Once this shape has been ticked, this choice cannot be changed. If the candidate does not mark any of the answer boxes, even if they don't tick the circular shape, the answer will be considered as not given.
- d) at the end of the test, candidates are expected to reach **a dedicated station equipped with a pen**, placed at a reasonable distance from the commission, where they will find a box where to

put the personal information sheet, with a facsimile of the personal information sheet out on one side, and the pairs of adhesive labels with the barcodes. Each candidate must choose a pair of identical adhesive labels and place one of the labels on the personal information sheet, the other one on the answer sheet. Candidates must see to placing the labels and must ensure the alpha-numeric codes on the pair of labels chosen match. Candidates must, therefore, sign, at the bottom of the personal information sheet, the declaration of truthfulness on the personal data and on the matching of the codes of the labels applied on the personal information sheet and the answer sheet. At the end, each candidate must place their personal information sheet in the sealed box in the corresponding station and then go to the commission station and insert the answer sheet in the relevant sealed box.

The following constitute reason for the commission to void the test, as per M.D. no. 542 of 21st June 2019:

1. taking the test in an examination room other than the one the candidate appears signed up for, unless this change was authorised by the test commission and the change was recorded in the minutes;
2. the candidate brings in the test room and uses mobile phones, PDAs, smartphones, smartwatches, tablets, earphones, webcams or other similar devices, manuals, textbooks, and/or printouts/photocopies, handwritten notes, and other reference material;
3. the answer sheet is signed (on both sides) or has other marks by the candidate or a member of the test commission;
4. any interaction among candidates and/or attempts to copy and/or exchange any type of material, including the exchange of personal information and/or answer sheets the candidates have.

In these cases no score will be calculated for the voided tests.

CANDIDATES WITH A DISABILITY AND CANDIDATES WITH SLD DIAGNOSIS

Candidates with a disability or Specific Learning Disabilities (SLD) may take the entry test using customised supports, as per article 16 of law no. 104/1992 and law 170/2010, by submitting specific request to the **Student Service Office - Inclusion**.

To this end they need to:

- 1) request an individual test when doing the pre-enrolment process on Uniweb;
- 2) send an email to inclusione.studenti@unipd.it specifying the kind of supports or aids requested (any additional time granted may not be more than 50% of the standard time allocated for the test, as specified in the following paragraphs);

3) submit all documents on the disability or SLD in faithful copy to the Student Service Office - Inclusion by sending a scanned but legible copy by email (inclusione.studenti@unipd.it), or by fax (049/8275040) or in person (via Portello, 23 Padova) **by 15:00 of 30th July 2019** using the forms available at <http://www.unipd.it/accoglienza-prove-ingresso>

The documentation to be provided to request customised support must include:

- certificate of disability and/or certification that complies with law no. 104 of 1992, issued by the medical examination board for the relevant territory, stating the type and/or degree of disability recognised; the candidate may have the right to additional time which may not be 50% more than the time officially allowed for the test;

- SLD certified diagnosis issued not more than 3 years ago or after the candidate turned 18, by local health structures or bodies and professionals accredited with the regional health system. In compliance with the “guidelines on specific learning disabilities annexed to MD 30th July 2011, record no. 5669, candidates with SLD may be granted additional time equal to max 30% more than the time allowed for the test. In case of particularly serious certified SLD, the use of the following aid tools may be granted: standard calculator, video Magnifier or a reader chosen by the university. The following devices are not allowed in any situation: dictionaries; formulary; periodic table of elements; mind map; personal computers, tablets, smartphones and other similar devices.

Candidates with a disability or specific learning disabilities (SLD) residing abroad who want to benefit from customised tests must submit a certificate stating the disability or SLD which was issued in their country of residence. This certificate must be accompanied by an officially certified translation into Italian or English. The university bodies in charge of examining the certifications referred to in the previous paragraphs shall ensure that the foreign documentation certifies a condition of disability or specific learning disability recognised by the Italian law.

The staff of the Student Service Office - Inclusion will then get in touch with the candidate to define the type of support/aid needed during the test.

Further information is available at: <http://www.unipd.it/accoglienza-prove-ingresso>.

5. TEST RESULTS AND ENROLMENT APPLICATION

PREAMBLE

Enrolment in the courses referred to in section 1 depends on the position of candidates on the merit list as a result of the score obtained, in addition to the places available in the various universities

when this competition was organised and the preferences made by the candidates at the time of enrolment in this competition.

5.1 On **26th September 2019**, CINECA, on behalf of M.I.U.R., will only publish the score obtained by the candidates based on their label code on the website www.universitaly.it , in the reserved area for candidates and in compliance with norms for the protection of personal information; this information shall remain available to candidates in the reserved area until the procedures come to an end. On **4th October 2019** candidates may view their paper, their score and their personal information sheet in their reserved area on the University portal.

5.2 On **9th October 2019** the national merit list for EU and foreign candidates residing in Italy will be published on the reserved area of the University portal, as per art. 26 of law no. 189/2002, specifying which candidates have been ASSIGNED or RESERVED a place in the course and at the centre they put as their first choice; each university will be given the list of such candidates. At the same time, the following are published on this page <http://www.unipd.it/graduatorie-ammissione> :

- the merit list for non-EU candidates residing abroad indicating the deadlines to complete their enrolment; winning candidates are admitted pending verification of the requirements listed in section 7;

- the list, in alphabetical order, of the results of all candidates who took the test in Padova, specifying any **additional learning requirements they need to fulfil**, their criteria and how these requirements can be met; **candidates must look at this list** as its publication is considered official notification to them.

5.3 When going through the merit list, the candidate who:

A) is included in the places available for their first choice, is considered **ASSIGNED and must enrol** at the centre and course he's been ASSIGNED to by the deadlines outlined in section 5.4. Should the candidate not meet the deadlines, they will lose the right to enrol and no justification will be accepted for their delay;

B) is not included in the places available for their first choice, is considered BOOKED in their next choice. In this case, the candidate may enrol at the centre and course by the deadlines set in section 5.4, i.e. wait for the candidates before him on the merit list to enrol and see if any places are still available among those chosen by the candidate. **If the BOOKED candidate enrolls, all his other choices are voided.**

ASSIGNED candidates must enrol at the University following the procedures outlined on the following page: <http://www.unipd.it/graduatorie-ammissione> .

BOOKED candidates may enrol at the University following the procedures outlined on the following page: <http://www.unipd.it/graduatorie-ammissione> .

5.4 The way the merit list of each degree course works and is run through for enrolment follows the following rules and stages:

a) on 9th October 2019 the merit list sorted by name with each candidate's score, their position on the merit list and the university in which each candidate is placed as "assigned", "booked", or "waiting", taking into consideration the position on the merit list of all preceding candidates and their centre of choice, will be published on the reserved area of the site;

b) ASSIGNED candidates must enrol at the universities following the administrative procedures in place at each university. BOOKED candidates may enrol at the universities following the administrative procedures in place at each university. In order to ensure that the national merit list is managed efficiently, both ASSIGNED and BOOKED candidates must see to their enrolment **within 4 (four) days max, including the day the merit list is gone through, excluding Saturdays, Sundays and public holidays.**

Should ASSIGNED candidates fail to enrol within 4 days as stated above, they will be considered as dropping out. BOOKED candidates who do not enrol, do not drop out of the merit list.

c) through its reserved website, each university shall inform CINECA of the names of the student enrolled within 5 days from the date stated in par. a) and in any case by 12.00 of the fifth day following each day the merit list is gone through, excluding Saturdays, Sundays and public holidays.

d) **all candidates, except for those enrolled and those dropping out, must confirm their interest in enrolling by going to the reserved area of the University site** within 5 days from the date stated in par. a) and in any case by 12.00 of the fifth day following each day the merit list is gone through, excluding Saturdays, Sundays and public holidays. Without such confirmation, the candidate will lose their place on the national merit lists they are present in and will lose all their rights to enrolment. Any explanation or justification for not confirming the interest in enrolling is not relevant, except in the following cases:

1. extraordinary and unforeseeable circumstances or force majeure not attributable to the candidate, provided that it is backed up by appropriate documentation;
2. injury and/or illness such as to have caused the candidate to be unable to proceed with the confirmation of interest within the aforementioned terms, provided that it results from medical certification issued by the general practitioner or by the local health authority or local health facilities or by bodies and professionals accredited with the NHS and it certifies the presence of an injury and/or illness with a temporarily incapacitating effect. The medical certificate must be dated no later than the deadline by which the candidate must express their confirmation of interest and must cover the last day for the confirmation of interest.

e) once it receives the list of names as set in par. c) and based on the position of merit and candidates' choice, CINECA will publish the new merit list gone through on 16th October 2019, following the procedures outlined in par. b) to d).

f) any other time the merit list is gone through, the procedure and timing outlined in par. b) to d) will be followed.

These procedures, as any dropping out done after enrolment, result in going through the merit list again to benefit candidates who are not enrolled but are in a good position. These procedures are followed until no more places are available in the course at each university. Any transfer requests or people dropping out after all places are taken do not result in going through the merit list again.

6. TRANSFER OF CREDIT REQUEST

In order to request transfer of credits, for academic Year 2019/2020 candidates must first submit online the transfer of credit assessment form by 18.00 of 15th July 2019. Conditions and terms to submit the application will be published at <http://www.unipd.it/domanda-valutazione> .

The decision of the commission will list all transfers granted; **being a new Course, all candidates are eligible to be admitted only to the 1st year but to be admitted to the course they will need to take and pass the national entry test.**

7. FOREIGN STUDENTS AND ITALIAN STUDENTS WITH A FOREIGN DEGREE

Foreign and Italian students with a foreign qualification are admitted as per the provisions set forth by the Ministry of Education, Universities and Research which are available at <http://www.studiare-in-italia.it/studentistranieri/>, pending passing the tests given.

The **test to assess students' knowledge of Italian**, if required, will take place on the date specified in the previous paragraph and at the premises which will be communicated by the Welcome sector of the International Office.

EU and non-EU citizens legally staying in Italy as per art. 39, par. 4 of Legislative decree no. 286/98 and subsequent amendments, do not need to take this test. Citizens from Norway, Iceland, Liechtenstein, Switzerland and the Republic of San Marino are put on the same level as EU citizens.

EU and non-EU candidates staying in Italy will be admitted to the test subject to the verification of their qualifications and residence permit. If they pass the test, to complete their enrolment

process they need to attach to their enrolment application the documentation listed at the following page <https://www.unipd.it/iscrizioni-studenti-internazionali>.

8. PERSON IN CHARGE OF THE PROCEDURE, PERSONAL DATA, NOTES AND WARNINGS

- 1) Pursuant to art. 4 of law 241 of 7 August 1990 (New norms on administrative procedures and right to access administrative documents) and following amendments, Dott.ssa Roberta Rasa, Head of the Student Career Office, is appointed to oversee the administrative procedure.
- 2) Person in charge of the Procedure to access the records: The Head of the Student Career Office, Dott.ssa Roberta Rasa. Candidates may exercise their right to access the competition records following the procedures set forth by Presidential Decree no. 184 of 12th April 2006.
- 3) Same-time enrolment: information on same-time enrolment can be viewed at <http://www.unipd.it/avvisi-ammissione-corsi> .
- 4) Regulations in place on statements: should false or mendacious statements by the candidate emerge, it being understood the sanctions provided for by the criminal code and special laws in place (art. 75 and 76 of presidential decree 445/2000), the candidate will be unenrolled automatically. The University will seek to be refunded for any benefits (e.g. scholarships) given to the candidate and will not reimburse any of the university fees paid by the candidate. The mendacious statement will also entail compensation for damages by the parties involved.

Further information on the privacy policy and regulations in place for enrolments is available at <http://www.unipd.it/avvisi-ammissione-corsi> and in MD no. 542 of 18th June 2019.

Any amendments or additions to the content of this admission notice will be:

- ♦ published on the Official University Register;
- ♦ published on the university web pages at <http://www.unipd.it/avvisi-ammissione-corsi>

Current regulations in place apply in relation to any issues not expressly addressed in this admission notice.

Padova, 08/07/2019

The Rector

Prof. Rosario Rizzuto

Digitally signed pursuant to legislative decree 82/2005.

ANNEX 1

List of language certifications officially recognised pursuant to art. 3, section 6, par. b) of M.D. 542/2019.

Certifying body	Level	English language certification for the 4 skills
Cambridge English Language Assessment	C2	Cambridge English: Proficiency (CPE)
	C1	Cambridge English: Advanced (CAE) Cambridge English: Business Higher (BEC Higher)
	B2	Cambridge English: First (FCE) Cambridge English: Business Vantage (BEC Vantage)
City and Guilds (Pitman)	C2	Level 3 Certificate in International ESOL Diploma Mastery C2
	C1	Level 2 Certificate in International ESOL Diploma Expert C1
	B2	Level 1 Certificate in International ESOL Diploma Communicator B2
Edexcel/Pearson Ltd	C2	PTE General Level 5 Proficient
	C1	PTE General Level 4 Advanced

**SINGLE-CYCLE DEGREE COURSES ♦ UNIVERSITY OF PADOVA
IN MEDICINE AND SURGERY**

	B2	PTE General Level 3 Upper Intermediate
EDI (LCCIEB)	C1	JETSET Level 6 English for Business Level 4
	B2	JETSET Level 5 English for Business Level 3 English for Commerce Level 3
IELTS	C2	IELTS band 8.5 – 9.0
	C1	IELTS band 7.0 – 8.0
	B2	IELTS band 5.5 – 6.5
TCL Trinity College London	C2	Integrated Skills in English (ISE) IV
	C1	Integrated Skills in English (ISE) III
	B2	Integrated Skills in English (ISE) II
TOEFL ETS	C1	TOEFL score 110-120
	B2	TOEFL score 87-109

Candidates who attended for at least one year a school whose subjects are taught in English are automatically considered as having a language certification.

ANNEX 2

Entry test programmes

Admission to the courses requires the possession of a general knowledge, with particular relevance to the literary, historical-philosophical, social and institutional fields, as well as the ability to analyse various kinds of written texts and an aptitude for logical-mathematical thinking.

The knowledge and skills required, however, refer to the preparation offered by the school institutions which organise teaching and educational activities consistent with the national guidelines for high schools and the guidelines for technical and professional institutes, especially in view of the State Examinations and that also refer to the scientific disciplines of Biology, Chemistry, Physics and Mathematics.

General knowledge and Logical thinking

Assessment of the ability to use English correctly in different contexts and for different purposes and to logically complete a reasoning, in a manner consistent with the conditions, which are enunciated in symbolic or verbal form through multiple-choice questions also formulated with short propositions, discarding conclusions which are wrong, arbitrary or unlikely.

Questions concern texts of scientific or narrative essays by classical or contemporary authors, or texts on current events that have appeared in newspapers or in general or specialist journals; they also concern cases or problems, even of an abstract nature, the solution to which requires the adoption of different forms of logical thinking.

Questions related to general knowledge on issues covered during the studies or present in contemporary public discourse, complete this area of assessment.

For the historical field, the questions can concern, among other things, aspects typical of the history of the twentieth century and the world nowadays.

In the social and institutional field, in line with national indications and guidelines and in relation to the activities that are carried out for "Citizenship and Constitution", the questions may concern, among other things, the Constitutional Charter, communication and the mass media, the organization of the economy and political life, the different forms of state and government.

Biology

Chemistry of living organisms.

The biological importance of weak interactions.

Organic molecules present in organisms and the respective functions. The role of enzymes.

The cell as the basis of life.

Cell theory. Cell dimensions. The animal and plant prokaryotic and eukaryotic cell. Viruses.

The cell membrane: structural functions - transport via the membrane.

Cell structures and their specific functions.

Cell cycle and cell reproduction: mitosis and meiosis - chromosome complement and chromosome maps.

Bioenergetics.

The energy currency of cells: adenosine triphosphate (ATP).

Redox reactions in living organisms.

Energy processes: Photosynthesis, glycolysis, aerobic respiration and fermentation.

Reproduction and Heredity.

Life cycles. Sexual and asexual reproduction.

Mendelian Genetics: Mendel's laws and their applications.

Classical genetics: chromosomal theory of heredity - heredity models.

Molecular genetics: DNA structure and duplication, the genetic code, protein synthesis. DNA of prokaryotes.

The structure of the eukaryotic chromosome. Genes and the regulation of gene expression.

Human genetics: transmission of mono and polyfactorial characters; hereditary autosomal diseases and diseases related to the X chromosome.

Biotechnology: recombinant DNA technology and its applications.

Heredity and the environment

Mutations. Natural and artificial selection. Evolutionary theories. Genetic bases of evolution.

Anatomy and Physiology of animals and human beings.

Animal tissues.

Anatomy and physiology of systems and apparatus in human beings and their related interactions.

Homeostasis.

Chemistry

The composition of matter: the aggregation states of matter; heterogeneous systems and homogeneous systems; compounds and elements.

Ideal gas laws.

The structure of the atom: elementary particles; atomic number and mass number, isotopes, the electronic structure of atoms of various elements.

The periodic system of the elements: groups and periods; transition elements. Periodic properties of the elements: atomic radius, ionisation potential, electron affinity, metal characteristic. Relationships among the electronic structure, position in the periodic system and properties of the elements.

The chemical bond: ionic bond, covalent and metal bond. Bond energy. Bond polarity. Electronegativity. Intermolecular bonds.

Fundamentals of inorganic chemistry: nomenclature and the principal properties of inorganic compounds: oxides, hydroxides, acids, salts.

Chemical reactions and stoichiometry: atomic and molecular mass, Avogadro's number, the concept of mole and its application, elementary stoichiometric calculations, balancing simple reactions, the different types of chemical reactions.

Solutions: solvent properties in water, solubility, the principal ways of expressing the concentration of solutions.

Equilibriums in aqueous solution.

Elements of chemical kinetics and catalysis.

Oxidation and reduction: oxidation number, concept of oxidant and reducing agent.

Balancing simple reactions.

Acids and bases: the concept of acid and base. Acidity, neutrality and basicity of aqueous solutions. pH.

Hydrolysis. Buffer solutions.

Fundamentals of organic chemistry: bonds between carbon atoms, empirical and structural formulae, concept of isomers. Aliphatic, alicyclic and aromatic hydrocarbons. Functional groups: alcohols, ethers, amines, aldehydes, ketones, carboxylic acids, esters, amides. Elements of nomenclature.

Physics

Measures: direct and indirect measures, fundamental and derived quantities, physical dimensions of quantities, knowledge of the decimal metric system and of the CGS System of Units of Measure, Technical (or Practical) (ST) and the International System (SI) of units of measure (names and relationships between fundamental and derived units), multiples and submultiples (names and values).

Kinematics: kinematic quantities, various motions particularly with reference to uniform and uniformly accelerated rectilinear motion; uniform circular motion; harmonic motion (for any motion: definition and relationships between related kinematic quantities).

Dynamics: vectors and operations on vectors. Forces, moments of forces in relation to a given point. Moment of a pair of forces. Vector composition of forces. Definitions of mass and weight. Acceleration due to gravity. Density and specific weight. Law of universal gravitation, 1st, 2nd and 3rd principle of dynamics. Work, kinetic energy, potential energy. Principle of conservation of energy. Impulse and quantity of motion. Principle of conservation of the quantity of motion.

Fluid mechanics: pressure and its units of measure (not only in the SI system). Archimedes' principle. Pascal's principle. Stevino's law.

Thermology, thermodynamics: thermometry and calorimetry. Specific heat, thermal capacity. Mechanisms of heat propagation. Changes of state and latent heat. Ideal gas laws. First and second principles of thermodynamics.

Electrostatics and electrodynamics: Coulomb's law. Electric field and potential. Dielectric constant. Capacitors. Series and parallel capacitors. Direct current. Ohm's law. Kirchhoff's principles. Electrical resistance and resistivity, series and parallel electrical resistors. Work, power, Joule effect. Generators. Electromagnetic induction and alternating currents. Effects of electrical currents (thermal, chemical and magnetic).

Mathematics

Numerical sets and algebra: natural, whole, rational and real numbers. Order and comparison; order of magnitude and scientific notation. Operations and their properties. Proportions and percentages. Powers with whole, rational exponent and their properties. Radicals and their properties. Logarithms (base 10 and base e) and their properties. Elements of combinatorial calculation. Algebraic, polynomial expressions. Significant products, nth power of a binomial, breaking down polynomials into factors. Algebraic fractions. First and second order algebraic equations and inequalities. Systems of equations.

Functions: fundamental notions of functions and their graphic representations (sectoral, co-sectoral, sign, maximum and minimum, increasing and decreasing, etc.). Elementary functions: whole and fractional algebraic, exponential, logarithmic, goniometric. Compound functions and reverse functions. Goniometric equations and inequalities

Geometry: polygons and their properties. Circumference and circle. Measures of length, surfaces and volumes. Isometry, similarities and equivalences on the plane. Geometric locations. Measuring angles in degrees and radians. Sine, cosine and tangent of an angle and their significant values. Goniometric formulae. Resolution of triangles. Cartesian reference system on the plane. Distance of two points and the midpoint of a segment. Straight line equation. Parallelism and perpendicularity conditions. Distance of a point from a straight line. Equation of a circumference, a parabola, a hyperbola, an ellipse and their representation on the Cartesian plane. Pythagoras' Theorem. Euclid's theorems (first and second).

Probability and statistics: frequency distributions according to type of characters and main graphic representations. Notion of random and event experiment. Probability and frequency.