



Admission procedures graduate degree programme

Faculty of Mathematical, Physical and Natural Sciences

Graduate degree in **Physics and innovation** (Class LM-17)

Academic year 2024/2025

Brescia Campus

Programme in ENGLISH

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1. ADMISSION REQUIREMENTS

Admission to the graduate degree programme in Physics and innovation requires the admission requirements set out in the following paragraphs.

1.1. Curricular requirements

To enter the graduate degree programme in Physics and innovation, the candidate **must meet either the requirements under A or the requirements under B:**

A. a **three-year degree** awarded or to be awarded by **30 April 2025** pertaining to degree class L-30 Physical Sciences and Technologies (ex-Ministerial Decree 270/04 or class 25 ex D.M. 509/99).

B. a **three-year degree** (ex D.M. 270/04 or ex D.M. 509/99) awarded or to be awarded by **30 April 2025** and at least **54 ECTS** in the three-year degree syllabus, or as single courses passed, in the following **scientific-disciplinary fields:**

- **30 ECTS** in FIS/01; FIS/02; FIS/03; FIS/04; FIS/05; FIS/06; FIS/07; FIS/08.
- **12 ECTS** in MAT/01; MAT/02; MAT/03; MAT/04; MAT/05; MAT/06; MAT/07; MAT/08.
- **12 ECTS** in CHIM/01; CHIM/02; CHIM/03; CHIM/04; CHIM/05; CHIM/06; CHIM/07; INF/01; ING-INF/01; ING-INF/02; ING-INF/05; ING-INF/07; ING-IND/06; ING-IND/10; ING-IND/12; ING-IND/18; ING-IND/21; ING-IND/22; ING-IND/23.

Up to 18 ECTS may be missing from the required ones. In this case, the degree programme coordinator reserves the right to assess whether the required teaching content has been covered in the programme syllabus and, if necessary, to draw up an ad hoc study plan. Candidates will be notified accordingly by e-mail.

The study plan of candidates in possession of an old university degree or a three-year university degree, or a degree awarded at a three-year degree programme at a school for special purposes of pre-Ministerial Decree 509/99 regulations or a single-cycle specialisation/master's degree of post-Ministerial Decree 509/99 - Ministerial Decree 270/04 regulations is assessed by a special Commission appointed by the Faculty.

1.2. Knowledge of the English language

In addition to the above CURRICULAR REQUIREMENTS, it is mandatory to have an adequate knowledge of the English language, corresponding to at least level B2. It is therefore necessary to hold one of the **English language certifications, obtained as of 1 January 2022:**

- TOEFL/IBT (with a score of at least 84);
- Academic IELTS (with a score of at least 6);
- Cambridge English: First - FCE (with a score of at least 173);
- Cambridge English: Advanced - CAE;
- Cambridge English: Proficiency - CPE;
- Cambridge English: Business English Certificate (BEC Vantage and BEC Higher);
- Trinity College London: ISE II (B2);
- Trinity College London: ISE III (C1);
- Trinity College London: ISE IV (C2);
- Pearson: PTE Academic with a minimum score of 46;

or one of the following requirements:

- a three-year degree, completed or to be completed, in English;
- a Double or Dual Undergraduate Degree in English earned or to be earned;



- the candidate comes from one of the profiles/courses taught in English at Università Cattolica del Sacro Cuore;
- provenance from undergraduate degree programmes (ex D.M. 270/04) of Università Cattolica del Sacro Cuore with an English Language Examination (Se.L.D'A.) in the degree curriculum, not extracurricular and at least level B2.

In case of lack of certification or of the indicated requirements it is necessary to take an *English test* and obtain the outcome with the B2 level, **within the deadlines** for the opening of the application (see paragraph 3 ADMISSION PROCEDURES AND DEADLINES). The *English test* is organised by the Se.L.D'A. Language Service of Università Cattolica del Sacro Cuore. Enrolment procedures are indicated in the appropriate [web section](#).

1.3. Adequacy of personal preparation

Candidates meeting **requirements A** or from the three-year degree in **Mathematics - Physics profile** at Università Cattolica del Sacro Cuore, with a **weighted average greater than or equal to 25/30** are directly recognised as being in possession of the adequacy of personal preparation referred to in Article 6(2) of Ministerial Decree 270/2004.

For other candidates, the adequacy of personal preparation referred to in Article 6(2) of Ministerial Decree 270/2004 is not directly recognised and an interview is provided for in accordance with the procedures set out in section 4 below, INTERVIEW TO VERIFY THE ADEQUACY OF PERSONAL PREPARATION.

2. NUMBER OF PLACES

For the graduate degree programme in Physics and innovation, places are **open access**, within the limits of available resources and enrolment trends of previous academic years, approximately 40.

3. ADMISSION PROCEDURES AND DEADLINES

Places on the graduate degree programme in Physics and innovation are allocated according to two admission phases.

PHASE	ADMISSION PROCEDURES	APPLICATION SUBMISSION
EARLY STAGE*	CHRONOLOGICAL ORDER WITH POSSIBLE INTERVIEW TO VERIFY THE ADEQUACY OF PERSONAL PREPARATION For candidates meeting the admission requirements, or failing certain CURRICULAR REQUIREMENTS within the above limits, with a weighted average $\geq 25/30$ and with at least 120 ECTS acquired	From 09 January 2024 to 18 March 2024
MAIN STAGE**	CHRONOLOGICAL ORDER WITH POSSIBLE INTERVIEW TO VERIFY THE ADEQUACY OF PERSONAL PREPARATION For all candidates meeting the admission requirements or failing certain CURRICULAR REQUIREMENTS within the above-mentioned limits.	From 06 May 2024 to 16 December 2024

*The number of places reserved for the advance phase is approximately 15.

**The main phase will be opened for the number of places that may remain from the previous phase and within the limits of the available resources and enrolment trends of the previous academic years, approximately 40.



Candidates with an Italian qualification must use the [Enrolment Portal](#) and should consult the [Enrolment Portal User Guide](#) for the procedure to follow.

Candidates with a foreign qualification must comply with the provisions issued by the Ministry of University and Research, which have been made public in a specific note. For information on admission to the graduate degree programme in Physics and innovation, please contact the International Admissions Office and view the admission procedures at the [link \(https://international.unicatt.it/ucscinternational-graduate-programs-2-year-graduate-degrees-in-english\)](https://international.unicatt.it/ucscinternational-graduate-programs-2-year-graduate-degrees-in-english).

3.1. Early stage - Chronological order with possible interview to verify the adequacy of personal preparation

For candidates with a weighted average $\geq 25/30$ and at least 120 ECTS acquired

APPLICATION SUBMISSION: 09 January 2024 to 18 March 2024

Without prejudice to the fulfilment of the ADMISSION REQUIREMENTS, only candidates with a **weighted average of the examinations taken greater than or equal to 25/30 and with at least 120 ECTS acquired** are eligible for admission.

Candidates:

- from the undergraduate programme in Mathematics - Physics profile at Università Cattolica del Sacro Cuore;
- with **all** the ADMISSION REQUIREMENTS in section A;

can **reserve their place in chronological order**, by paying the first instalment of fees and university contributions through the [Enrolment Portal](#) from **10:00 a.m. on 09 January 2024 and no later than 11:59 p.m. on 28 April 2024**.

Candidates should consult the [Enrolment Portal User Guide](#) for the place reservation procedure.

Candidates:

- with all the ADMISSION REQUIREMENTS set out in section B;
- **lacking** some ADMISSION REQUIREMENTS in section B, within the limits indicated above;

must book **an interview** to verify the adequacy of their personal preparation through the [Enrolment Portal](#) starting at **10:00 on 09 January 2024 and by 11:59 p.m. on 18 March 2024**.

Candidates will receive the outcome by e-mail at the end of the interview: if the outcome is positive, they can **reserve their place in chronological order** by paying the first instalment of fees and university contributions through the [Enrolment Portal](#) until all the places available for this phase have been filled and no later than **11.59 p.m. on 28 April 2024**; if the outcome is negative, they cannot enrol in the programme (see section 4 - INTERVIEW TO VERIFY THE ADEQUACY OF PERSONAL PREPARATION).

Candidates should consult the [Enrolment Portal User Guide](#) for the interview booking and place reservation procedure.

Candidates who do not reserve their place by the dates indicated, if interested in participating in the next phase, are required to submit a new application, requesting the cancellation of the previously opened one. This request must be made at least two working days before the deadline of the phase of interest via the following link: <https://www.unicatt.it/richiasta-informazioni-lauree-magistrali>.



3.2. Main stage - Chronological order with possible interview to verify the adequacy of personal preparation

APPLICATION SUBMISSION: 06 May 2024 to 16 December 2024

Without prejudice to the fulfilment of the ADMISSION REQUIREMENTS, candidates:

- from the undergraduate programme in Mathematics - Physics profile at Università Cattolica del Sacro Cuore with a **weighted average of 25/30 or higher**;
- with **all** the ADMISSION REQUIREMENTS in section A with a **weighted average of 25/30 or higher**;

can **reserve their place in chronological order**, by paying the first instalment of fees and university contributions through the Enrolment Portal from **10:00 a.m. on 06 May 2024 and no later than 11:59 p.m. on 16 December 2024**.

Candidates should consult the [Enrolment Portal User Guide](#) for the place reservation procedure.

Candidates:

- from the undergraduate programme in Mathematics - Physics profile at Università Cattolica del Sacro Cuore with a **weighted average of less than 25/30**;
- with **all** the ADMISSION REQUIREMENTS in section A and a **weighted average of less than 25/30**;
- with **all** the ADMISSION REQUIREMENTS set out in section B;
- **lacking** some ADMISSION REQUIREMENTS in section B, within the limits indicated above;

must book **an interview** to verify the adequacy of their personal preparation through the Enrolment Portal starting at **10:00 on 06 May 2024 and by 11:59 p.m. on 09 December 2024**.

Candidates will receive the outcome by e-mail at the end of the interview: if the outcome is positive, they **can reserve their place in chronological order**, paying the first instalment of the university fees through the Enrolment Portal **by 11.59 p.m. on 16 December 2024**; if the outcome is negative, they cannot enrol in the programme (see section 4 INTERVIEW TO VERIFY THE ADEQUACY OF PERSONAL PREPARATION).

Candidates should consult the [Enrolment Portal User Guide](#) for the interview booking and place reservation procedure.

4. INTERVIEW TO VERIFY THE ADEQUACY OF PERSONAL PREPARATION

Candidates who do not meet the requirements will be interviewed by the coordinating professor of the degree programme to verify the adequacy of their personal preparation.

The **interview** aimed at ascertaining the possession of basic knowledge and skills, with particular reference to the subject areas that characterise the graduate degree.

The candidate is deemed suitable if he/she demonstrates at least a basic knowledge of the required topics, is able to make connections between them, demonstrates sufficient independence of judgement and is able to communicate the topics of the interview in an appropriate language.

The interview is conducted online, via the Teams platform. No later than the day before the date of the interview, candidates receive an invitation by e-mail from the coordinating professor. During the interview, candidates must show a valid identity document and any documentation deemed useful for the purpose of checking their study plan (e.g. programmes of courses taken during their undergraduate degree).

The outcome of the interview is communicated at the end of the interview. Candidates who obtain a positive result **can reserve their place**, those who obtain a negative result cannot enrol in the programme. Those who were absent at the interview can book a new one through the [Enrolment Portal](#).



Candidates who were assessed positively but who, following the interview, show gaps in the areas indicated in section 1.1. Curricular REQUIREMENTS may be assigned additional curricular integrations (see section 5. ENROLMENT AND PRE-ENROLMENT).

For information on how to book an interview and reserve a place through the [Enrolment portal](#), candidates should consult the [Enrolment Portal User Guide](#).

5. ENROLMENT AND PRE-ENROLMENT

Candidates graduating without curricular integrations, after reserving their place through the payment of the first instalment, must proceed to enrolment through the [Enrolment Portal](#). For information on the enrolment procedure, candidates should consult the [Enrolment Portal User Guide](#).

Graduate candidates with curricular integrations and undergraduate candidates, after reserving their place through the payment of the first instalment, must proceed to pre-enrolment. For information on the pre-enrolment procedure candidates should consult the [Enrolment Portal User Guide](#).

Pre-enrolment for the graduate degree programme **is accepted under condition that:**

1. the assigned curricular integrations are fulfilled within the timeframe set out below;
2. the undergraduate degree is awarded within the time limits set out in the admission procedures.

Pre-enrolled candidates reserve a place with the right to attend graduate degree programmes from their start. They are required to complete their enrolment immediately after graduation and/or completion of the curricular integrations.

Curricular integrations: Candidates who have been assigned curricular integrations, once pre-enrolled, are required to pass the relevant test from the examination session of September/October 2024 and by the examination session of January/February 2025. Failure to pass the curricular integrations test will affect enrolment in the graduate degree programme. Students may attend lectures on the subjects envisaged in the study plan, but may not sit the relevant examinations before the completion of the integrations and finalisation of enrolment.

6. CANDIDATES WITH DISABILITIES OR WITH SPECIFIC LEARNING DISORDERS (SLD)

Candidates with disabilities or Specific Learning Disorders (SLD) are required to upload their disability report or SLD certificate in the appropriate profile section of the Enrolment Portal. For further information, please contact the [Services for inclusion](#) office.

Disabled students with a **certified disability equal to or greater than 66% and/or students with recognised disabilities pursuant to article 3, paragraph 1 or 3 of Law No. 104 of 5 February 1992 are entitled to a total exemption from the first instalment of fees and university fees** and are required to pay €100,00 when reserving their place. To be eligible for the exemption, candidates must upload their certification in the dedicated section of the [Enrolment Portal](#).

7. TRANSFER FROM ANOTHER UNIVERSITY, SECOND DEGREE AND RESUMPTION OF CAREER

Candidates who wish to transfer from another university, enrol in a second degree or resume their university career must meet the ADMISSION REQUIREMENTS and comply with the deadlines and procedures set out in section 3 ADMISSION PROCEDURES AND DEADLINES.

Depending on the admission phase to which they belong, candidates must apply for admission to the graduate degree programme in **Physics and innovation** via the [Enrolment Portal](#). Following admission to the programme, a place must be reserved by making the first instalment and secretarial fee payments and submitting the application via the [Enrolment Portal](#) within the deadlines set out in Section 3 ADMISSION PROCEDURES AND DEADLINES.



Candidates who transfer from another university, after having reserved their place, may sit further examinations, at their university of origin, until they submit their **Transfer Application**, which must normally be submitted no later than **16 December 2024**. The place is reserved when the submitted documentation is validated by the Student services centre.

The competent teaching structure will only assess examinations taken and recorded up to the submission of the Transfer Application.

Candidates enrolling for a second degree, after having reserved their place, must submit an **Application for a Second Degree**, which must normally be submitted no later than **31 December 2024**. The degree from the home programme must necessarily be obtained no later than 31 December 2024. The place is reserved when the submitted documentation is validated by the Student services centre.

Candidates resuming their career after reserving their place must submit an **Application for Resumption of Career**, which must normally be submitted no later than **16 December 2024**. The place is reserved when the submitted documentation is validated by the Student services centre.

The year of admission will be assessed by the Faculty Council or delegated committee, which will take into consideration the candidate's entire academic career.

Only exams taken in English can be validated.

8. PROGRAMME CHANGE WITHIN UNIVERSITÀ CATTOLICA

Candidates wishing to transfer to a programme/profile within Università Cattolica must meet the ADMISSION REQUIREMENTS and comply with the deadlines and procedures indicated in section 3 ADMISSION PROCEDURES AND DEADLINES.

Depending on the admission phase to which they belong, candidates must apply for admission to the graduate degree programme in **Physics and innovation** via the [Enrolment Portal](#). Following admission to the programme, a place must be reserved by making the first instalment and secretarial fee payments and submitting the application via the [Enrolment Portal](#) within the deadlines set out in Section 3 ADMISSION PROCEDURES AND DEADLINES.

After reserving a place, it is possible to take other examinations of the programme/profile of origin until the start of the Change procedure, which is done by clicking the "**Proceed with Change**" function in the Enrolment Portal, normally no later than **16 December 2024**.

The competent teaching structure will only assess the examinations taken and recorded until the start of the Change procedure.

The year of admission will be assessed by the Faculty Council or delegated committee, which will take into consideration the candidate's entire academic career.

Only exams taken in English can be validated.

Please note: It is not possible to change from an integrated degree programme to a graduate degree programme.

9. CONTACTS

For further information and clarifications, candidates can use the '[Graduate Degree Helpdesk](#)' or consult the [FAQ](#).

Candidates who need support in using the Enrolment Portal, can use the 'Assistance' button within the Portal itself.

10. FINAL NOTES AND PERSON IN CHARGE OF THE PROCEDURE

Candidates must ensure that they have properly completed the necessary steps for admission.



For enrolled students on graduate degree programmes, the 'General regulations for determining university fees a.y. 2024/2025' apply.

Students are required to take note of any additions, amendments, updates to these procedures published on Università Cattolica website.

Pursuant to law no. 241/1990, the person in charge of this admission procedure is Paolo Francesco Trotti (Director of Student Career Services-Brescia).

Brescia, 12 December 2024