

## Regulation on the organization and conduct of the admission exam to Doctoral studies in the field of Physics 2026-2027

The admission exam for Doctoral Studies in the field of Physics is organized by the Doctoral School of Physics in accordance with the legislation in force, based on the provisions

- O.M.E. no. 3020/2024 for the approval of the Framework Regulation on doctoral studies, with subsequent amendments and completions,
- O.M.E. no. 3693/2024 for the approval of the Framework Methodology on the organization of admission to higher education in short-term, bachelor's, master's and doctoral cycles,
- Regulation on the organization and conduct of the admission contest for doctoral studies of the University of Bucharest (U.B.), approved in the Senate meeting of 17.12.2025.

The doctoral studies in the field of Physics fall into the category *of scientific doctorate* with *funding from the state budget or in a fee-based regime* and are organized only in *full-time and part-time forms of education*. The related grants include the amount of individual scholarships for full-time education.

Within the Doctoral School of Physics there are the following *Directions of Studies*:

- i) Experimental and Computational Biophysics, Medical Physics
- ii) Physics of Atmosphere and Earth, Planetology
- iii) Atomic Physics, Nuclear Physics, Elementary Particle Physics, Astrophysics and Applications
- iv) Condensed state physics
- v) Theoretical and Computational Physics
- vi) Optics, spectroscopy, plasma and lasers
- vii) Renewable energy sources
- viii) Educational Physics

The admission to doctoral studies consists of the selection process of candidates for the vacant positions of doctoral student, which the doctoral supervisors propose for occupation; the related research topics will be posted on the website <https://www.fizica.unibuc.ro/Doctorate/Admission/> at least 30 days before the admission competition. The admission exam to Doctoral Studies in Physics is usually organized in the **July session**, according to the calendar approved by the Senate of the University of Bucharest, posted on <https://www.fizica.unibuc.ro/Doctorat/Admitere/website>. If there are unoccupied places in July, a new admission session can be organized in September with the approval of the Council for Doctoral Studies (C.S.U.D.).

## I. Registration of candidates for the admission exam

Before registering for the admission exam, the candidates are **encouraged** to contact the doctoral supervisor for whose vacant position they wish to apply, in order to obtain his/her agreement for coordination in case of admission to the doctorate. The research directions/thematic areas, and the contact details of the doctoral supervisors affiliated to the Doctoral School of Physics of the U.B. can be found at <https://www.fizica.unibuc.ro/Doctorat/Prezentare/Conducatori/>.

Candidates who meet the following cumulative conditions may apply for admission to the doctorate

- i) they are graduates with a master's degree or an equivalent diploma, according to the law;
- ii) the cumulative number of transferable study credits acquired for the bachelor's and master's degree cycle must be at least 300 transferable credits (ECTS);
- iii) are graduates with a bachelor's degree or equivalent (bachelor's degree of graduates of 5 or 6-year study programs, "day" form of education), issued by the year of graduation of the first bachelor's degree promotion organized in accordance with the provisions of Law no. 288/2004 on the organization of university studies, with subsequent amendments and completions (long-term education).

Graduates of studies carried out abroad **and** recognized by the specialized directorate within the Ministry of Education and Research as master's degree studies *can also apply for the admission competition*, if the cumulative number of transferable study credits acquired for the bachelor's and master's degree cycles is at least 300 ECTS. For the recognition of studies, candidates must contact the National Center for Recognition and Equivalence of Diplomas, <https://cnred.edu.ro/studii-universitare/>.

The **conditions provided by law for Romanian citizens**, including the study fees, **are applicable to citizens of the member states of the European Union, of the states belonging to the European Economic Area and of the Swiss Confederation**, as well as to **Romanians from abroad** candidates, regardless of citizenship.

Registrations will be made at the Secretariat of the Faculty of Physics or online, by sending an e-mail to [secretariat@fizica.unibuc.ro](mailto:secretariat@fizica.unibuc.ro). In case of registration in the online system, the documents are sent by the candidates with the assumption by them, in the content of the electronic message, of the responsibility regarding the authenticity of the documents and the correspondence between the digital/scanned documents and the original ones.

For registration, candidates must submit **the following documents**:

- application/registration form – standard form;
- copy of a valid identity document (B.I./C.I./passport, etc.);
- birth certificate, copy (certification of conformity with the original can be made by the secretariat);

## FACULTATEA DE FIZICĂ

Str. Atomiștilor, nr. 405 | 077125, Măgurele, Ilfov, ROMÂNIA

Tel./Fax: (+4) 021 457 45 21; (+4) 021 457 44 18

E-mail: [secretariat@fizica.unibuc.ro](mailto:secretariat@fizica.unibuc.ro) | Website: [www.fizica.unibuc.ro](http://www.fizica.unibuc.ro)

- marriage certificate or other act of change of name, copy (certification of conformity with the original can be made by the secretariat);
- baccalaureate diploma or equivalent, copy (certification of conformity with the original can be made by the secretariat);
- higher education diploma (bachelor's degree) and transcript/diploma supplement, copies (certification of conformity with the original can be made by the secretariat);
- Master's degree/in-depth studies and transcript/diploma supplement, copies or *certificate for graduates of master's degree studies from the current year* (certification of conformity with the original can be done by the secretariat);
- Scientific activity report;
- list of titles of published scientific papers;
- the proposal of a topic (in writing) in accordance with the research topics related to the vacant positions of doctoral student put out to competition by the doctoral supervisor, with the justification of its importance; the proposal must specify the Directorate of Studies for which the candidate opts;
- a comprehensive bibliographic list on the proposed topic, on the basis of which the admission contest can be held;
- certificate of linguistic proficiency for English, non-legalized copy (according to the annex on the types of language proficiency certificates, attached to this methodology);
- **for foreign citizens**: the certificate of linguistic competence regarding the knowledge of the Romanian language or the certificate of linguistic competence of knowledge of an international language (English), except for candidates, foreign citizens, who come from states with an official English language or who have graduated in previous cycles from a study program carried out in English;
- affidavit regarding the accuracy/correctness of the documents of the file submitted online (*in the case of files submitted online*);
- the receipt for payment of the registration fee.

The registration fee for the admission contest is charged to the candidates for organizing and conducting the admission exam. Information on the level of fees and payment conditions can be obtained from the Secretariat of the Faculty of Physics and will be displayed on the website of the doctoral school. Fees not used for objective reasons may be refunded, upon request, with the approval of the faculty management, the General Administrative Director and with the approval of the management of the University of Bucharest.

Orphaned candidates, those from children's homes or foster care, staff employed at the University of Bucharest, children of active or retired teaching staff, as well as persons at risk of losing their ability to meet their daily living needs due to illness situations, disability, or poverty **are not subject to the obligation to pay registration fees** for the admission exam. They are

## FACULTATEA DE FIZICĂ

Str. Atomiștilor, nr. 405 | 077125, Măgurele, Ilfov, ROMÂNIA

Tel./Fax: (+4) 021 457 45 21; (+4) 021 457 44 18

E-mail: secretariat@fizica.unibuc.ro | Website: www.fizica.unibuc.ro

exempt from paying the registration fees for the admission contest only once for the cycle of doctoral studies within a higher education institution.

*The persons who request the exemption from the registration fee for the admission contest must submit, **in addition** to the documents mentioned above, as the case may be, the following:*

- copy of the parents' death certificates, in the case of those orphaned by one or both parents;
- document attesting the candidate's origin from a single-parent family;
- certificate that they come from the social protection system (in the case of those in this situation at the time of registration);

Persons who are in the 3 situations mentioned above must **cumulatively** meet the following two conditions: i) not to exceed the age of 35 at the time of registration; ii) not to achieve an average net monthly income per family member for the last 12 months above the minimum net basic salary in the economy

- certificate issued by the Social Assistance Directorate in which the candidate has his domicile attesting that he/she is at risk of losing his/her ability to meet his/her daily living needs due to situations of illness, disability, poverty;
- certificate showing the quality of staff employed in the University of Bucharest for the candidate's legal supporters;
- certificate showing the quality of teaching or auxiliary teaching staff, active or retired, of the legal supporter.

The exemption from the payment of the registration fees for the admission competition is approved by the president of the admission commission of the Faculty of Physics, only on the basis of the documents submitted by the candidates showing that they belong to one of the categories listed above.

The complete set of documents submitted/sent online is verified by the secretariat of the doctoral school and is available before the first competition test.

The admission of **Romanians from abroad candidates** and of **foreign citizens from non-European Union countries** is carried out based on the methodologies specially developed by the Ministry of Education and Research, and they **will address the International Relations Direction** in order to register for the admission competition for doctoral studies.

Candidates who **are not part of the European Union, the European Economic Area and the Swiss Confederation (non-EU)** have the obligation to present **at the registration** the certificate of recognition of the completed studies issued by the specialized directorate within the Ministry of Education and Research. The certificate of recognition will be accompanied by copies of the legalized translations of the diplomas that were the basis for its issuance.

**A person can benefit from funding from the budget for only one doctoral program.** The costs related to exceeding the duration of the free education, provided by the law, are borne by the doctoral student.

## FACULTATEA DE FIZICĂ

Str. Atomistilor, nr. 405 | 077125, Măgurele, Ilfov, ROMÂNIA

Tel./Fax: (+4) 021 457 45 21; (+4) 021 457 44 18

E-mail: secretariat@fizica.unibuc.ro | Website: www.fizica.unibuc.ro

For foreign citizens who apply for enrollment in doctoral studies on **self-funded studies or with government funding**, extraordinary admission sessions may be organized, at the proposal of the Doctoral School and with the approval of the management of the University of Bucharest, in compliance with the legal provisions and the Regulation on the organization and conduct of the admission exam for doctoral studies of the University of Bucharest.

### II. Conduct of the admission contest

The admission exam to Doctoral Studies in the field of Physics, in the form of **Colloquium**, takes place at the headquarters of the Faculty of Physics, according to the schedule organized by study directions and displayed on the page web (<https://www.fizica.unibuc.ro/Doctorat/Admitere/>), **in the presence of the doctoral supervisor** to which the candidate wishes to register. In case of unavailability, the doctoral supervisor sends in writing to the management of the Doctoral School the agreement regarding the coordination of the candidate in order to fill the vacant position of doctoral student. In the absence of agreement, the commission will recommend the candidate to collaborate with another doctoral supervisor who has open the vacant position of doctoral student, with a close scientific theme. The candidate who does not receive the consent of any doctoral supervisor until the end of the competition procedure will be declared rejected, regardless of the result obtained in the admission competition.

The admission contest for Romanian citizens, of the member states of the European Union, of the states belonging to the European Economic Area and of the Swiss Confederation takes place physically, and the admission contest for citizens of non-EU states is held online/via videoconference. If a candidate, a Romanian citizen, from the member states of the European Union, the states belonging to the European Economic Area or the Swiss Confederation cannot be physically present at the admission contest for well-founded reasons, he/she may request in writing, before the start of the colloquium, the conduct of the admission exam online/via videoconference. In this situation, all other candidates will take the admission exam under the same conditions, online. The online admission exam will be recorded audio-video, the recording being archived together with the other documents of the admission exam.

The admission colloquium takes place in the presence of a single Admission Commission, common to all the Study Directions, and usually made up of the coordinators of these Directions.

The admission colloquium consists of an **oral exam**, in which the candidate presents the proposed theme, justifying its importance and highlighting the stages and the investigation methods necessary to achieve the proposed theme.

The evaluation of candidates is made taking into account

- the originality and importance of the proposed theme,
- the quality of the presentation,
- the candidate's knowledge in the field of the proposed topic, evidenced by the way he/she answers the questions of the members of the Admission Committee. The questions will be

## FACULTATEA DE FIZICĂ

Str. Atomiștilor, nr. 405 | 077125, Măgurele, Ilfov, ROMÂNIA

Tel./Fax: (+4) 021 457 45 21; (+4) 021 457 44 18

E-mail: secretariat@fizica.unibuc.ro | Website: www.fizica.unibuc.ro

asked on the basis of the presentation, respectively of the bibliographic list on the proposed topic, found in the candidate's file, as well as on the basis of the selective bibliography related to the Direction of Studies to which the candidate has registered, displayed on the website of the Doctoral School, at <https://www.fizica.unibuc.ro/Doctorat/Admitere/>.

### III. Results of the admission competition

The results of the evaluation of the candidates by the Admission Commission are expressed by averages and are recorded in a single list on the field of Physics, in descending order, in order to occupy the places financed from the budget and respectively with fee allocated, depending on their options.

**The minimum admission average for doctoral studies is 7 (seven).** The average is calculated with two decimal places, without rounding, as the average of the grades awarded by each member of the Admission Committee. The averages obtained by the candidates for admission are valid for establishing the classification hierarchy only at the doctoral school to which they applied for each session.

The following criteria will be used to determine the candidates with equal grades:

- the quality of the scientific papers published by the candidate in the field of the chosen topic, expressed by the sum of the influence score of the ISI listed journals in which the candidate has published his/her works;
- the continuity of the candidate's scientific activity on the proposed topic, based on his/her scientific activity memorandum;
- the arithmetic average between the graduation averages of the previous university studies cycles (bachelor's and master's degrees, respectively bachelor's degree for enrolled candidates who have not followed master's degree studies), according to the transcripts in the candidate's file.

**The results obtained in the oral tests cannot be challenged.**

### IV. Distribution of candidates on the places financed from the state budget and those with fee

If the number of study grants allocated to the doctoral school is lower than the number of candidates who have opted for vacant places from the budget and have an admission average above 7 (seven), the candidates who have not occupied one of the budgetary vacancies initially allocated may be considered admitted to the fee-paying places, if they also opted for this option.

For them, a waiting list will be drawn up in descending order of the averages obtained at admission, in order to occupy a possible place financed by study grants assigned to the doctoral school after the procedure of redistribution of the positions left unoccupied at the level of U.B.

## FACULTATEA DE FIZICĂ

Str. Atomistiilor, nr. 405 | 077125, Măgurele, Ilfov, ROMÂNIA

Tel./Fax: (+4) 021 457 45 21; (+4) 021 457 44 18

E-mail: [secretariat@fizica.unibuc.ro](mailto:secretariat@fizica.unibuc.ro) | Website: [www.fizica.unibuc.ro](http://www.fizica.unibuc.ro)

**The allocation of places from the budget with scholarship and without scholarship**, respectively, as a result of the admission contest is made in the following way:

- i) In the July 2026 session, all vacant positions of doctoral student with study grants and, respectively, with a fee allocated to the doctoral school, are put out for competition.
- ii) after the completion of the admission contest in July, in the next meeting of the C.S.U.D. the occupation of the budget and fee-paying places proposed by the admission commission is approved, in descending order of the average obtained.
- iii) at the same meeting of the C.S.U.D., budgetary places are **reallocated** to doctoral schools that had a number of candidates with a passing grade of the admission exam higher than the number of budgeted places initially allocated and who were nominated in the waiting list drawn up after the competition.
- iv) the reallocated places are taken proportionally from all doctoral schools that have not fully occupied the places from the budget initially allocated by the C.S.U.D.
- v) The budgeted places left free after these reassignments are usually redistributed as follows: at least 80% of them remain at the doctoral schools to which they belonged and at most 20% are redistributed to doctoral schools that will make the request to organize an admission session in September 2026 as well, even if they have occupied or exceeded the places initially allocated by the C.S.U.D.
- vi) The admission session in September is dedicated to filling the vacancies left unoccupied or redistributed after the July session. At the same time, **in the September 2026 admission session, the final hierarchy is established** in descending order of the averages obtained by the candidates participating in the 2 sessions on the total number of grants allocated.
- vii) the candidates who obtained the passing grade at the admission contest, but did not fit within the limit of the number of allocated grants, are nominated in waiting lists for this session, in view of a possible award of a grant from the budget after the redistribution procedure at the level of the U.B. that will take place in the next meeting of the C.S.U.D.

The confirmation of the occupation of the places financed from the budget will be made after each admission session. Candidates declared admitted to doctoral studies after each admission session within the respective doctoral school will **confirm their place within three days** from the end of the admission session.

Out of the total number of places financed from the budget occupied following the two admission sessions at each doctoral school, the number of places with scholarships will be approved at the C.S.U.D. meeting in September. The proportion of the number of scholarship places out of the total number of budgeted places that are occupied at a doctoral school will be at most equal to the proportion of scholarship places out of the total budgeted places allocated by the Ministry at the level of the U.B.

The admission commission draws up and displays the preliminary list of admitted/rejected candidates, for each admission session in descending order of the general averages obtained, mentioning the beneficiaries of places financed from the budget or with a fee, respectively with the

## FACULTATEA DE FIZICĂ

Str. Atomiștilor, nr. 405 | 077125, Măgurele, Ilfov, ROMÂNIA

Tel./Fax: (+4) 021 457 45 21; (+4) 021 457 44 18

E-mail: [secretariat@fizica.unibuc.ro](mailto:secretariat@fizica.unibuc.ro) | Website: [www.fizica.unibuc.ro](http://www.fizica.unibuc.ro)

mention of the beneficiaries of doctoral grants related to the form of full-time or part-time education.

Based on these lists, the final list is drawn up after the approval given in the C.S.U.D. meeting. If there are candidates who have opted only for one form of financing/education and have not obtained a place in the specified category, they will be placed on a waiting list. The waiting list will also contain potential candidates who had an admission grade but were classified below the places initially assigned to the doctoral school.

The results of the admission competition will be validated by the Council of the Doctoral School and by C.S.U.D. in its meeting held before the posting deadline, and approved by the Central Commission for Admission of the University of Bucharest before posting.

The final results of the admission competition are made known by posting at the Faculty of Physics and/or on the website of the doctoral school according to the framework admission calendar.

Candidates who withdraw their registration documents before the final result of the competition is posted are considered eliminated from the competition.

Candidates declared admitted after confirming the place occupied and after paying the registration fee are enrolled in doctoral studies based on the result of the competition for the academic year 2026/2027 by decision of the Rector of the University of Bucharest.

The rights and obligations incumbent on the doctoral student following enrollment are provided in the study contract that he concludes with the University of Bucharest.

The documents submitted by the rejected candidates, as well as those who drop out of schooling, are returned to them, upon request, within 48 hours from the submission of the application, compulsorily free of charge, based on identity documents, after the posting of the final results.

**Candidates admitted on places financed from the budget have the obligation to submit in original the last graduation certificate, as well as the documents conforming to the original in the file within 5 days from the posting of the results, failure to present them in original at the deadline, due to the sole fault of the admitted candidate, leading to the loss of the place financed from the budget.**

Dean  
Prof. Dr. Lucian ION

Director of the Doctoral School of Physics  
Prof. Dr. Daniela DRAGOMAN