

ADDITIONAL ADMISSION REQUIREMENTS FOR DOCTORAL STUDY PROGRAMMES FOR THE ACADEMIC YEAR 2022/2023

The Dean of the Faculty of Science of the University of Ostrava announces the additional admission procedure for the academic year 2022/2023 to the doctoral study programmes:

Study programme in czech language	Standard length of study	Form of study	Estimated number of candidates accepted
Applied Informatics	4	full-time	5
Biology	4	full-time	12
Biophysics and nanostructure physics	4	full-time	2
Environmental geography	4	full-time	5
Mathematics	4	full-time	5
Political and economic geography	4	full-time	5

Study programme in english language	Standard length of study	Form of study	Estimated number of candidates accepted
Applied Informatics	4	full-time	5
Mathematics	4	full-time	5

Application for study

Applicants must submit an electronic application ([e-application](#)) to the Faculty of Science of the University of Ostrava **by 15 August 2022** and pay an administrative fee for the admission procedure in the amount of **CZK 560** to university account.

After submitting the e-application, the applicant will submit mandatory attachment to the application **by 22 August 2022**. Attachments will be delivered in person, by post to the Department of Science and Doctoral Studies of the Faculty of Science, University of Ostrava, Chittussiho 10, 710 00 Ostrava or to the e-mail below in the contact. If it is impossible to deliver certain attachments, an extension of the submission deadline may be requested.

Attachment to the application:

- professional structured **curriculum vitae** with an overview of professional and publishing activities,
- **the topic of the dissertation** in the doctoral study program selected from the listed topics or the proposal of one's own topic chosen after a previous discussion with the presumed supervisor and the head of subject-area board,
- **recommendation of a university pedagogue or researcher**, if required for the study program/field,
- **cover letter**, if required for the study programme,
- **officially certified copy of the university diploma**. Each applicant must properly complete the type of study programme - master's or doctoral study program. The applicant is obliged to submit an officially certified copy of the university diploma no later than on the day of enrollment in the first year of study. Applicants proposed for admission to the study will be

informed of the specific date of enrollment by the e-mail they stated in their application.

Document to demonstrate the requirement has been met: *A decision of a public university in the Czech Republic on the recognition of foreign higher education and qualification (or decision on nostrification), a foreign certificate of foreign higher education.*

Special option of verifying the requirement has been met: *Each institutionally accredited college or university is obliged to verify meeting the requirement under a self-assessment system exclusively for the purpose of admissions procedure into the study programmes offered and carried out by the university itself or any of its faculties.*

Special option of verifying the requirement has been met at the University of Ostrava: *The procedure to verify meeting the requirement is defined in an internal regulation of the University of Ostrava, which is the Order issued by the Rector under the number 69/2019 with effect from 13 May 2019.*

More information can be found here: <https://www.osu.eu/20953/foreign-transcripts/>.

Application fee

We recommend paying by credit card.

In case of bank transfer:

- bank account number: 931761/0710
- variable code: 311008
- constant code: 0379
- specific code: generated by the applicants by the system when submitting the electronic application
- amount: **560 CZK**
- IBAN: CZ65 0710 0000 0000 0093 1761, SWIFT: CNBACZPP

The applicant must pay the fees associated with the admission procedure for each study program/field separately. Joint payment of several programs/fields is considered an incorrect payment.

For payment, the account number, variable and specific symbol/code must be entered accurately. If incorrect or incomplete information is provided, the payment will not be assigned to the applicant and application for study is therefore invalid - applicant will not be included in the admission procedure.

The deadline for crediting the sum to the university bank account has been set at 19 August 2022.

- The payment is considered late if credited to the University of Ostrava bank account after 22 August 2022.
- Erroneous and late payments are returned to the applicants concerned. In such a case, the faculty charges a handling fee of 100 CZK.

In the event of failure to pay the fee in a way and time period established under these admission conditions, the applicant shall not be admitted to study.

If the candidate does not appear for the entrance exam, the administrative fee will not be refunded.

Fee for study in study programmes conducted in a foreign language

Students studying in a study program in a foreign language pay a study fee in accordance with Section 58, Paragraph 4 of the Act. The amount of the fee for the following academic year is determined and published [in the public part of the OU website](#) for a specific faculty by the Dean no later than the last day of the deadline set for the submission of applications for studies.

When determining the amount according to the sentence, the dean will take into account in particular the economic complexity of the study and the costs of ensuring the quality of the study.

Date of entrance exam

Dates will be published later, watch continuously [the web pages of the Faculty of Science of the University of Ostrava](#).

Dates of entrance exam and alternative dates will be published no later than July 31, 2022.

The framework dates of admission dates will be at the end of August or the beginning of September.

Candidates will not be invited to the entrance examination in writing. The admission interview cannot be waived.

The results of the entrance examination and other information will be sent to candidates in writing or to the e-mail they stated in their application. Applicants who are accepted will also receive a written invitation to enrol, including further instructions.

Form and content entrance exam

Study programme	Form and content entrance exam
Applied Informatics	<p>The applicant for the doctoral studies in the study program Applied Informatics must be a graduate from a Master study programme Informatics or Applied Informatics or in a similarly focused programme. The applicant must have corresponding knowledge primarily in the following areas: theoretical informatics at the level of a Master degree, basics directions of applied informatics at the level of a Master degree, active knowledge of specialised English in the field of informatics.</p> <p>In the course of the admission procedure, the applicant selects the focus of the doctoral study programme Applied Informatics and a supervisor is assigned. It concerns the following areas:</p> <ul style="list-style-type: none">- Application of fuzzy modelling in data analysis and image processing.- Application of adaptive evolutionary algorithms and stochastic algorithms for global optimisation.- Application of artificial intelligence methods in the area of pattern recognition.- Formal representation of knowledge and its semantics and deduction.- Business process modelling, business ontologies, domain specific modelling.

<p>Biophysics and nanostructure physics</p>	<p>Applicants will be admitted to the study after passing the entrance exam, which will take place in the form of an interview in front of a commission appointed by the Dean of the Faculty of Science of the University of Ostrava. The scope of required knowledge is based on the areas of the final state examination NMgr. study program Applied Physics at the Faculty of Science of the University of Ostrava, with emphasis on areas related to the proposed topic of the dissertation. Part of the interview is also verification of the ability to communicate professionally in English, so part of the interview is conducted in English. The applicant submits a motivation letter to the study application.</p>
<p>Biology</p>	<p>A prerequisite for admission is successful completion of the entrance exam and demonstration of active knowledge of the English language (at least at the intermediate level).</p> <p>The entrance exam is in the form of interview, from the areas of the candidate's specialization, such as molecular biology and genetics, microbiology, entomology, ecology, taxonomy.</p> <p>During the professional interview before the examination admissions committee, the candidate discusses the topic of his / her intended dissertation, including the methodological and practical aspects of its implementation, and demonstrates his / her knowledge of the relevant professional literature.</p> <p>With the application for admission, the applicant submits a motivation letter and a structured curriculum vitae, including an overview of publishing and other professional activities (conferences, internships, etc.).</p>
<p>Environmental geography</p>	<p>Graduates of the Master's degree programme in Physical Geography or related fields may apply for admission to the doctoral study program in Environmental Geography.</p> <p>A necessary condition for admission is the successful completion of the entrance exam. With the application for admission, the applicant submits a motivation letter and, if necessary, an overview of publishing or conference activities. The entrance exam is in the form of interview, from the areas of physical-geographical and environmental-geographical. At the same time, knowledge of the English language is verified (at the level of the ability to study foreign language professional literature, listen to lectures and discuss professional problems in a foreign language). The level of knowledge and skills of the candidate, as well as his/her prerequisites for creative scientific work, will be assessed by the admissions committee.</p>

<p>Mathematics</p>	<p>The entrance examination takes a form of a selection process. During the process committee takes into consideration following documents submitted by the applicant:</p> <ul style="list-style-type: none"> ▪ Verified copy of university diploma, ▪ copies of the Diploma Supplement (or other form of confirmation of all completed courses in the bachelor and master degree validated by the respective university), ▪ curriculum vitae, ▪ list of publications, ▪ copy of diploma thesis in electronic version, ▪ covering letter in English with a field of interest and a name of a supervisor, ▪ 1-2 recommending letters (from lecturers or researchers).
<p>Political and economic geography</p>	<p>The applicant is a graduate of a Master degree programme in Political and Cultural Geography or Economic Geography and Regional Development, or equivalent study programmes at other universities. Graduates of the following related study programmes are also accepted: (regional) economics, public administration, regional development, sociology, demography, social and cultural anthropology, area studies, political science, international relations or security studies.</p> <p>The applicant should send a motivation letter, CV, a preliminary proposal for a possible PhD thesis topic (including the choice of supervisor) together with their application form. The choice of supervisor and the intended topic of the thesis are recommended to be consulted in advance with the supervisor of the doctoral studies or with individual supervisors.</p> <p>In addition, the applicant will attend an interview before the admissions committee, where candidate will demonstrate proficiency in English (at B2 level, as evidenced by certificates, state examination, university language exams, or interview), a concrete idea of his/her research project and planned internship abroad, and sufficient initial knowledge of political and economic geography at the master's level. Preference will be given to students who demonstrably prove their interest in the field such as: participation in scientific work during their studies, already having a publication outputs.</p>

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