

Call

**For applications to the organized doctoral (PhD)
programme in the 2020–2021 academic year**

Doctoral School
of
Physical Sciences

BME Faculty of Natural Sciences

The BME Faculty of Natural Sciences offers PhD studentships in the academic year 2020/2021 in the
Physical sciences research field,
within the research areas of

Condensed matter physics,
Applied physics,
Reactor physics,
Medical physics.

Applicants must attach the following documents along with their filled application form:

- Professional resume
- Certificate of BSc and MSc degrees
- Certificate of English language exam
- List of publications
- Short research plan
- Written recommendations by two prominent researchers in the chosen field of research
- Verification of payment of the admission process fee (8000 HUF)*

Applications are to be addressed to the Dean of the Faculty of Natural Sciences of the Budapest University of Technology and Economics (BME TTK – 1111 Budapest, Műgyetem rakpart 3. K épület I. emelet 18., Hungary)

Enquiries can be made via email at vidamari@ttdh.bme.hu.

*Please pay the admission process fee by bank transfer to bank account number (IBAN)
HU 78 10032000-01425279-00000000 with the narrative: **14519-331, kód: 803, name of applicant.**

Detailed PhD research topic descriptions and further information for application can be found at the following website:

<http://phd.physics.bme.hu/?language=en>

The application form and the recommendation form can be downloaded from the above webpage.

Deadline for applications:

31 May 2020

Conditions for participation:

About the doctoral studies in general

The doctoral studies organized by the University aid in obtaining the level of knowledge and research practice necessary to accomplish a PhD degree

During the doctoral studies the student

- takes part in scientific courses and
- conducts individual scientific research.

In the context of individual scientific research the doctoral student explores the literature and carries out experimental and theoretical research on their own, with the guidance of the supervisor.

Admission to the doctoral programme

General conditions for admission to the doctoral programme:

- Diploma certifying graduation from a university following a successful final examination
- Command of English language necessary for carrying out research in the chosen topic;
- Extensive knowledge of the professional field;
- Verifiable previous products of scientific/professional work (eg. published research projects, scientific papers);

Diplomas obtained abroad must be accredited according to relevant legislation.

Applicants take part in an oral interview with an admission committee appointed by the doctoral council. The aim of the interview is to assess the extensive domain knowledge of the applicant, their concept of the doctoral work, their previous scientific activity and language skills. The committee evaluates the performance of the applicants on a range of 100 points. (Admission requires 60 points minimum. The 60 point limit is a necessary condition; it does not guarantee that the applicant will be granted the state stipend.)

The admission committee ranks the applicants based on their score and may recommend their admission to the Council of the Doctoral School. The final decision regarding admissions will be made by the Dean based on the recommendations of the Council, considering scholarship quotas and further options of the faculty.

Applicants are informed about the time and date of the entry interview via email.

Student legal status

The doctoral student participating in the programme is in a legal relation with the university in a student legal status for the duration of the programme. In the Doctoral School of Physical Sciences there is no correspondence course; students can only take part in full-time education.

At the time of enrolment students enter into a contract with the university which specifies the rights and responsibilities of students regarding the doctoral programme.

The form of training can be either state-funded or fee-paying.

Admitted doctoral students may be granted a *state stipend*; stipend quotas are distributed among the doctoral schools of the faculties by the Habilitation Committee and Doctoral Council of the University.

If the student is *not granted a state stipend*, their training is *considered fee-paying*. This classification is independent of whether the applicant has alternate means of funding, or whether the student is employed by other companies.

The tuition fee of the doctoral programme is specified by the Faculty Council. If research carried out during the PhD programme is led by a supervisor from a research institute based on a cooperation agreement between the institute and the University, the Faculty Council may decrease the amount of the tuition fee proportionally to the resources used in the cooperating institute. According to current regulations the tuition fee is 450 000 HUF/semester, and the tuition fee is reduced to 20 % in case of cooperating research institutes.

The PhD student taking part in the doctoral programme performs their studies and their teaching duties at the university. The Council of the Doctoral School may exempt students from this requirement on a case-by-case basis. The PhD student carries out their scientific research at the university or the cooperating research institute with the conditions specified in the training agreement.

Further information regarding the doctoral programme can be found in the website of the Doctoral School.

Budapest, 4 April 2020

Miklós Tibor Horváth

Dean