

## General information

1. Area of the study plan: electrotechnics, electronics
2. Level of the study (according to Polish taxonomy): III level (doctoral study).  
Level of the study (according to international taxonomy): PhD study.
3. Educational profile: academic.  
Area of education: technical sciences.
4. Related disciplines of science, partially considered within the programme and the learning outcomes: electronics, automatic control and robotics, information technology, power engineering.
5. Formal degree conferred once a student completes the programme and successfully defends his/her PhD thesis: doctoral degree (PhD) in electrical engineering.
6. Formal frames of the doctoral programme in Białystok University of Technology (BUT)

The presented doctoral programme is fully coherent with European regulations concerning the third level study. Common formal requirements of the doctoral programme, including admission and organisation of the studies, comply with national regulations, including:

- The act of Polish Parliament: Ustawa z dnia 27 lipca 2005 r., Prawo o szkolnictwie wyższym (Dz. U. Nr 164, poz. 1365 z późn. zm.);
- The act of Polish Parliament: Ustawa z dnia 14 marca 2003 r. o stopniach naukowych i tytule naukowym oraz stopniach i tytule w zakresie sztuki (Dz. U. 2003 nr 65 poz. 595 z późn. zm.).

Some formal, internal regulations are determined at the level of Białystok University of Technology. They are expressed in several resolutions of the Senate of BUT, including:

- Statute of the Doctoral Programmes in Białystok University of Technology;
- annual resolutions of the Senate of Białystok University of Technology concerning conditions and procedures of enrolment on doctoral programmes;
- annual resolution of the Board of the Faculty of Electrical Engineering regarding the maximum number of PhD students and schedule of enrolment.

## 7. Aims of the doctoral programme.

The doctoral programme is proposed as a direct continuation of postgraduate studies in electrical engineering, including electrotechnics, electronics, power engineering and some adjacent areas.

The principal aim of the programme is to create an environment in which PhD students can develop their knowledge and scientific abilities and work out new technologies connected with electrical engineering.

The proposed doctoral programme enables students to prepare the doctoral thesis and to pass the required exams. The students complete the required educational modules in 8 semesters. During this period they can develop their own scientific programme related to electrical engineering. Each student has to gather 45 ECTS (European Credit Transfer and Accumulation System) within the 8 semesters of study (including compulsory and optional educational modules). The organisation of lectures makes it possible to finalise and defend the PhD thesis in 8 semesters.

Students who have completed the doctoral programme will be able to:

- describe and explain theories and empirical results in the field of electrical engineering;
- formulate research questions within the area of electrotechnics, particularly related to the subject of the developed scientific problem;
- use scientific methods, critically analyse and evaluate applied methods and algorithms;
- develop new theories and technologies related to the subject of the scientific work;
- present the results of the research and discuss them in the scientific community;
- assess ethical aspects of research;
- identify needs for new research and development of new, advanced technologies;
- participate in scientific collaborations;
- analyse the role of research in societal development.

All students who have passed the required doctoral exams and successfully defended their thesis obtain the PhD degree (doctoral degree) in electrotechnics/electronics.

## 8. Target groups of the programme

The doctoral programme in electrotechnics is intended for postgraduate students from disciplines connected with electrical engineering, including electrotechnics, electronics, power engineering, and other related sub-areas.

A person holding a master's degree (or equivalent) in other disciplines can be qualified to the programme.

## 9. Basic eligibilities to the doctoral programme

Every candidate to the PhD programme has to choose a supervisor of their planned scientific programme. The supervisor should be selected from the official list of professors and qualified doctors. The list is available in the secretariat of the doctoral programme and on the web page of the programme. The head of the doctoral programme can help candidates to find the right supervisor. In this case, candidates should contact directly the office of the programme, and send preliminary information about the subject of the planned scientific work.

## 10. Procedure of enrolment

The qualification process to the doctoral programme consists of three steps: registration of applications, interviews with the candidates, and final (internal) selection of the candidates.

### A. Registration of applications

A candidate has to prepare and send complete, required documentation, including:

- filled-in application form (available from the web page of the doctoral programme);
- signed Curriculum Vitae, including (optionally) any additional documents (e.g. a list of publications, information on formal and informal qualifications, professional experience, letters of recommendation) that can prove his/her research potential;
- declaration of the supervisor (the form is available from the web page of the doctoral programme);
- proposition of the subject of research work and a provisional plan of research. The plan must be approved and signed by the supervisor;
- authenticated copies of relevant certificates from the previous (postgraduate) studies where the master's degree or the related degree was granted;
- medical certificate;
- receipt of application fee payment;
- 4 photos.

All documents should be prepared in English. Any documents in other languages have to be accompanied by an authenticated English translation. The electronic versions of documents can be sent by e-mail to the office of the doctoral programme (e-mail address: [we.doktoranckie@we.pl](mailto:we.doktoranckie@we.pl)). The printed and signed versions of documents have to be sent to the following address until the end of May:

Bialystok University of Technology  
Faculty of Electrical Engineering, Doctoral Programme  
ul . Wiejska 45A  
15-351 Bialystok  
Poland

#### B. Interview of the candidates

The acceptance of a candidate is based on the examination of his/her documents followed by an interview in the form of a face-to-face talk in the presence of the Admission Committee for the PhD programme and of the head of the Faculty. In special cases there is a possibility to make the interview in the form of a teleconference.

#### C. Final (internal) selection of the candidates

Selection of the applications is carried out by July 15. The candidates qualified to the programme receive detailed information about the fee payment and are obliged to pay it by September 20.

#### 11. Fees and funding

Bialystok University of Technology does not offer any scholarships for foreign PhD students, however, some funding is available through the Polish Government Scholarship scheme which covers tuition fees and provides additional money for living.

PhD students can contact the Polish embassy or consulate in their home country to inquire about the relevant eligibility conditions in their case. They may also seek support through the new Erasmus+ programme or, in the case of non-European students, through ongoing partnerships and opportunities set up under the Erasmus Mundus banner.