
INSTITUTE OF ENGINEERING AND DIGITAL TECHNOLOGY

PHYSICS

CONDENSED MATTER PHYSICS

The field of professional activity of masters includes the study of the structure and properties of nature at various levels of its organization from elementary particles to the Universe, fields and phenomena underlying physics. In addition, it includes studying the new research methods of the basic laws of nature, all kinds of physical phenomena observed in nature, processes and structures in public and private research and production organizations related to solving physical problems, in educational institutions of higher education and professional educational organizations.



**БНИУ
БелГУ**
BELGOROD STATE
UNIVERSITY (BSU)

LEVEL Master

DEPARTMENT

Institute of Engineering and Digital Technology

DURATION 2 years

START DATE 1st September

LOCATION 308015, building 17, st. Pobedy, 85, Belgorod

LANGUAGE Russian/English

PROGRAM COORDINATOR

Zahvalinskij Vasilij Sergeevich

TUITION FEES

2740 USD (Russian-taught)

3400 USD (English-taught)

- currency of payment is ruble

WEB

bsuedu.ru/bsu/

ACADEMIC-RELATED ENQUIRIES

fi@bsu.edu.ru

noskov_a@bsu.edu.ru

8(4722)30-18-19

ENTRY REQUIREMENTS

Applicants with a bachelor's degree, as well as people with a higher professional education, confirmed by the assignment of the qualification "certified specialist", have the right to participate in the competition for places funded from the budget allocations of the federal budget. Admission is based on an entrance test.

APPLICATION

Application for acceptance of documents for enrolment (by mail)

Consent to the processing of personal data of the applicant
Letter of consent

Identity document, citizenship

Academic degree

Documents confirming the individual achievements of the applicant

An agreement on the provision of paid educational services (for admission on a contractual basis)

PROGRAM STRUCTURE

From general subjects, master course students study a foreign language in the field of professional communication, philosophical questions of natural science, modern problems of physics, and a special practical physics.

The more subject-oriented modules included in the master degree program are quantum theory of a solid body, the physical foundations of semiconductor electronics, electro-optics of liquid crystals, and modeling of the interaction of fast particles with solids.

Students are offered 4 elective courses. The main types of educational activities are lectures and practical classes. Practical training and research work are provided in each semester. In the fourth semester there are no class hours, it is completely focused on the writing of the master's thesis.

CAREER OPPORTUNITIES

Students who have successfully mastered the program "Condensed Matter Physics" can work in public and private research and production organizations related to solving physical problems. Graduates can continue their post-graduate studies in the field of Physics and Astronomy ("Condensed Matter Physics"), as well as programs in other fields.