

Area of study 03.03.02 Physics

Degree: bachelor

Duration of training: 4 years

Form of training: full time

Language of instruction: Russian

Accreditation: State

Program description:

We offer:

- Training in physics and astronomy
- Skills in using of fundamental physics sub-disciplines for research problem solving
- Participation in real research work of Russian and international scientific projects

Special courses

1. Astrophysics
2. Biophysics
3. Physics of the Condensed Condition

Graduates of the program work as engineers, leading specialists, teachers in companies:

- 1. High-tech enterprises and research institutes, included into the military-industrial complex of the Russian Federation.*
- 2. IT companies, developing software for solving research problems, for engineering and business applications.*
- 3. Leading domestic and foreign universities, research centers, engineering companies.*

4. *Medical institutions developing medical equipment using biophysics and neurotechnology.*
5. *Synthesis and research of new materials with a given atomic structure and properties, nanotechnology in material engineering and microelectronics.*
6. *Space and astrophysical research centers.*
7. *Modeling of processes occurring both in the macroworld (in the space) and in the microworld (atomic structures) on supercomputers; statistical processing and analysis of big data, system administration.*
8. *Nuclear industry and nuclear power companies. Nuclear and physics research centers.*
9. *Teaching of physics, mathematics, computer science, astronomy at schools and institutions of professional education.*
10. *System administration.*