

Applied Mathematics and Physics 03.03.01

Condensed Matter Physics

Program objective:

train highly qualified physicists who will be capable of conducting fundamental and applied theoretical research in the field of electronics, modeling complex physical, technical and engineering systems.

Curriculum features:

- Semiconductor physics;
- Solid state physics;
- Physics of nanosystems;
- Methods and Mathematical Modeling;
- C ++;
- Nanomaterials and nanotechnology;
- Interaction of radiation with matter;
- X-ray radiation: sources, properties, applications;
- Asymptotic methods;