

# MASTER'S PROGRAM | BEAM-PLASMA SYSTEMS & TECHNOLOGIES

## 1ST SEMESTER

- Russian as a Foreign Language
- Russian history and culture
- Program Orientation Course
- Selected sections of general physics
- Selected sections of higher mathematics
- Selected sections of general and bioorganic chemistry
- Selected sections of computer science: special software
- Introduction to plasma physics. Electron kinetics
- Personal Research project

## 2ND SEMESTER

- Russian as a Foreign Language
- Selected sections of general physics
- Selected sections of higher mathematics
- Gas Dynamics of Combustion
- Plasma physics
- Plasma technical systems
- System analysis and simulation of Beam-Plasma Systems
- Personal Research project

## 3RD SEMESTER

- Russian as a Foreign Language
- Beam-Plasma technologies. Part 1. Manufacturing technologies
- Plasma chemistry
- Personal Research project

## 4TH SEMESTER

- Personal Research Project
- Beam-Plasma technologies. Part 2. Aerospace technologies