

Aerodynamics/Аэродинамика

Moscow Institute of Physics and Technology (National Research University)

Language of study:

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **350 000.00 рублей за год**

Programme curator: **Yaroslav Savyolov**

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Programme Director: Grineva Victoria

Chair: Chair of Computer Modelling

Description:

The Master's programme in Aerodynamics takes place on the campus of Zhukovsky. It combines theoretical, computational and experimental aspects of aerodynamics to give a complete picture in this field of science. The curriculum combines classical methods with modern trends.

The programme explores:

- Aerodynamics of high-speed flows
- Viscous gas dynamics
- Computational aerodynamics
- Modern methods of theoretical fluid mechanics
- Gas dynamics of combustion
- Analytical methods in aeromechanics
- Unstable aeromechanics
- Physical basis for industrial wind tunnel testing
- Turbulence

As a result of the training, the graduate will have knowledge and skills in analytical, computational and experimental methods of aeromechanics and aerodynamics, enabling him/her to solve a wide range of theoretical and practical problems of aerospace science.

Specializations within this programme