## Differential equations, dynamical systems and optimal control

National Research Lobachevsky State University of Nizhni Novgorod (Lobachevsky University)

Degree or qualification is awarded: Candidate of Engineering Sciences

Language of study: **Russian** Mode of study: **full-time, extramural** Duration: **4 years** Availability of free education: **yes** Price: **200 000 RUB per year** 

Programme webpage at the university website: <a href="http://www.phd.unn.ru/rukovoditeli-programm/#p1">http://www.phd.unn.ru/rukovoditeli-programm/#p1</a>

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The program includes 4 blocks: disciplines (modules), research and practice, state final attestation. Training passes according to individual plan, formed by a graduate student in conjunction with a scientific leader in accordance with the subject of scientific research. During training, graduate students are studied as highly professional courses, and general educational disciplines, aimed at developing universal competencies. Based on the results of the training, graduate students students prepare final qualification work. Training is conducted in accordance with the following programs:

-Differential equations, dynamical systems and optimal control;

- Geometry and topology;
- -Theory of Probability and Mathematical Statistics;
- Mathematical logic, algebra and number theory;
- Mechanics of a deformable solid;
- Dynamics, strength of machines, instruments and equipment;
- Discrete mathematics and mathematical cybernetics.

## Specializations within this programme