



St Petersburg
University

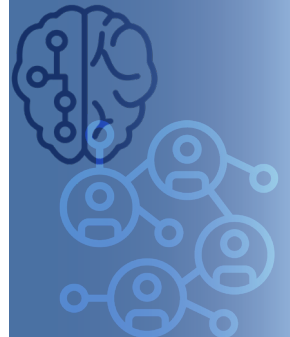
MATHEMATICS AND ARTIFICIAL INTELLIGENCE

Level of education:	Bachelor programme
Type of instruction:	Full-time
Duration:	4 years
Language of instruction:	English



BENEFITS OF THE PROGRAMME

- The programme trains highly qualified specialists able to solve problems in mathematics, computer science and related areas, perceive ideas in different areas of mathematics and apply them in computer sciences, and use computer science achievements in scientific research;
- Students are prepared to use the most effective and advanced machine learning and artificial intelligence technologies in treating fundamental problems with the potential for long-term and real-world impact;
- The programme has strong connections with the industry – among the lecturers are developers and researchers from Lanit-Tercom, Cybertex, students are involved in development and research projects with Huawei, TRA Robotics, Astrosoft, Cybertex, Assaia, Lanit-Tercom, and others.



KEY SKILLS

- the core of mathematics basics in algebra, calculus, analytical and differential geometry, topology, functional analysis, differential equations, probability and statistics, control and optimization, mathematical physics, machine learning and artificial intelligence;
- knowledge of mathematical models of a broad variety of natural and engineered systems;
- experience in research with synergy effects between traditionally separated disciplines.

CAREER OPPORTUNITIES

Future career of students may be associated with research or teaching in the areas of pure and applied mathematics, and with advanced algorithms and software development in academia and industry.

• **In Russia:** Intel, Oracle, Huawei, Yandex, Jet Brains, Lanit-Tercom, Transas, EMC, Digital Design, Cybertex, Assaia, DIGDES, FIRSTLINE, StarLine, Russian State Scientific Center for Robotics and Technical Cybernetics, Russian Universities, Russian Academy of Sciences.

• **International:** MIT (USA), SUPELEC (France), UNSW (Australia), University of Sheffield (UK), NTNU (Norway), Lund University (Sweden), TU/e (Netherlands), and a lot of others.

PROGRAMME OVERVIEW:

[Read more >](#)

CONTACT US

International Admissions Office

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