

## **Master programs taught in English**

### **Skolkovo Institute of Science and Technology**

#### **Biomedical Science and Technology**

Education is conducted in English. In the first year we offer courses and seminars and extensive hands-on training in a well-equipped teaching molecular biology laboratory and a brand new bioinformatics teaching laboratory. In addition to courses in the broad area of life science students are expected to take courses in innovation and entrepreneurship and take at least one industry immersion program with our industrial partners. During the second year of the program, students complete individual research projects under the supervision of Skoltech faculty in the Data-Intensive Biomedicine and Biotechnology Centers of Research, Education, and Innovation followed by master thesis defense. Graduates of the program will receive official Masters degree diplomas in Biotechnology. They will obtain a unique skill set that will enable them to excel in research and innovation in academia or industry. Exceptional graduates of the program will have an opportunity to enter the Skoltech Ph.D. program.

<http://www.skoltech.ru/en/education/msc-programs/biomedical-science-and-technology/>

#### **Energy Science and Technology**

Energy-driven challenges of the 21st century are complex and interconnected, often in surprising ways. Skoltech's Energy program trains Master's of Science graduates to deal with the global energy agenda, including energy sources, energy transformations, energy transport, energy storage and energy uses. The program delivers an interdisciplinary mix of engineering and natural sciences that is unique for the universities in Russia and beyond. Other core aspects of the program are industry immersion and the entrepreneurship and innovation component.

<http://www.skoltech.ru/en/education/msc-programs/energy-science-and-technology/>

#### **Information Science and Technology**

The Information Science and Technology program at Skoltech aims to train researchers working on computational approaches for science and technology problems, ranging from artificial intelligence and machine learning to modeling complex physical systems, as well as from computational engineering to analysis of complex image and textual data and large data analytics.

The graduates of the program are trained to perform original research in their chosen area and apply the results of their research in an industrial context. Students have numerous opportunities for collaborative research with faculty at leading international universities and industrial research labs in Russia and abroad.

<http://www.skoltech.ru/en/education/msc-programs/information-science-and-technology/>

## **Space Science and Technology**

Skoltech educates students to a holistic view of space missions, including space engineering and space science, and enables hands-on experience in space engineering by providing research opportunities for the development of state-of-the-art payloads and instrumentation, to be flown on partner spacecraft and as experiments on board the International Space Station.

Curriculum components cover space systems engineering, satellite engineering, space instrument design, space science, as well as human space flight, automation/robotics, and space physiology and medicine, and the entrepreneurship, innovation, and commercialization of space-related technologies.

<http://www.skoltech.ru/en/education/msc-programs/space-science-and-technology/>