

Master of Science Program

Information Science and Technology

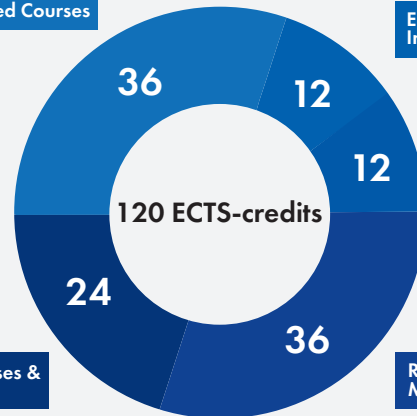
Students may specialize in

Track A Computational Science and Engineering

Track B Internet of Things



Compulsory & Recommended Courses



Entrepreneurship & Innovation

Industrial Immersion

Research & MSc Thesis Projects

Curriculum:

Compulsory course

	Track A	Track B
Scientific Computing	A	

Recommended electives

Introduction to Data Science	A	
Machine Learning	A	
Numerical Linear Algebra	A	
Physics of Human Body	A	
Mathematical Modeling in Biology	A	
Computational Chemistry and Materials Modeling	A	
Numerical Modeling	A	
Optimization Methods	A	
High Performance Computing	A	
Geostatistics and Reservoir Simulation	A	
Introduction to Product Lifecycle Management (PLM)	A	
Uncertainty Quantification	A	
Thermodynamics and Transport at Nanoscale	A	
Matrix and Tensor Factorizations	A	
Fast and Efficient Solvers	A	
Advanced PLM techniques: Digital Design and Optimization	A	
Advanced PLM techniques: Product Prototyping	A	
Introduction to IoT		B
Introduction to Blockchain		B
Communication Technologies for IoT		B
Digital Signal Processing		B
Information and Coding Theory		B
Sensors and Embedded Systems for IoT		B

Entrepreneurship & Innovation

Innovation Workshop	A	B
Ideas to Impact	A	B
Leadership for Innovators	A	B
Business Communication	A	B
Thinking Disruptive for a Big Future	A	B
Biomedical Innovation and Entrepreneurship	A	B
Intellectual Property and Technological Innovation	A	B
New Product Design: from Idea to Market Launch	A	B
Management of Research & Development	A	B
Technology Entrepreneurship	A	B

Elective Courses

See at the Skoltech Course Catalogue:
skoltech.ru/en/education/course-catalogue